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1/37

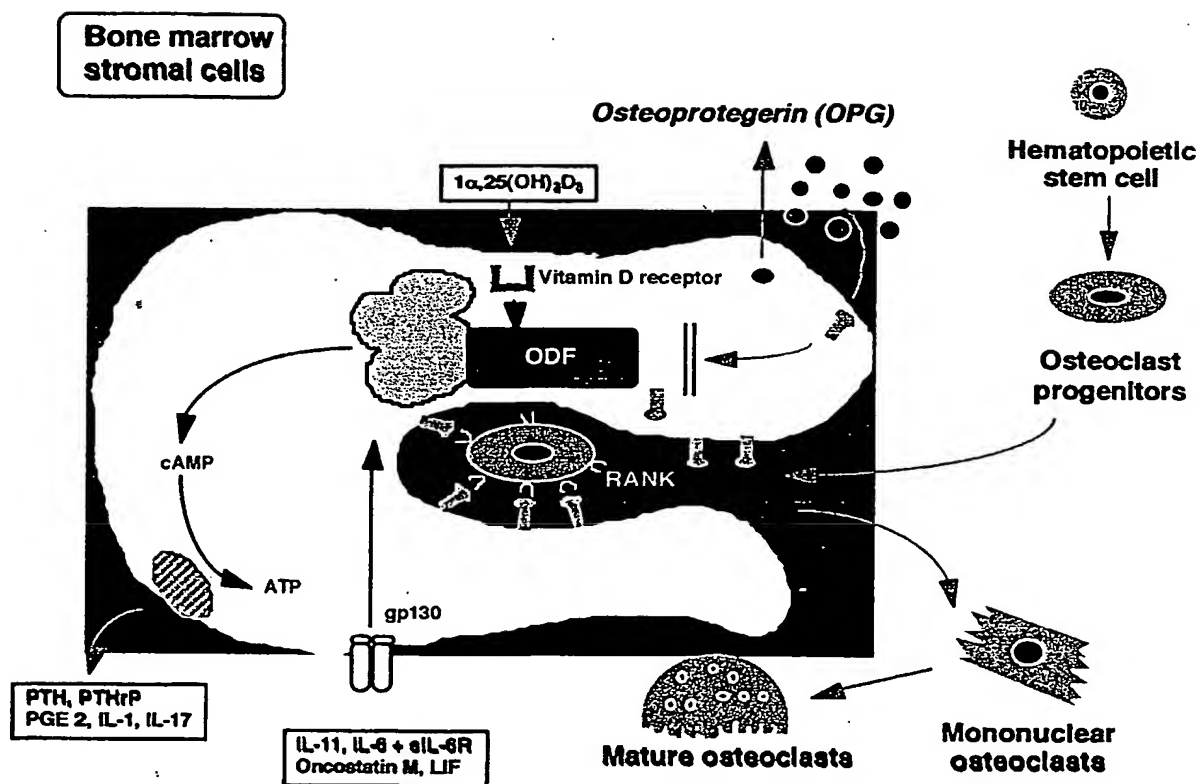


Figure 1

2/37

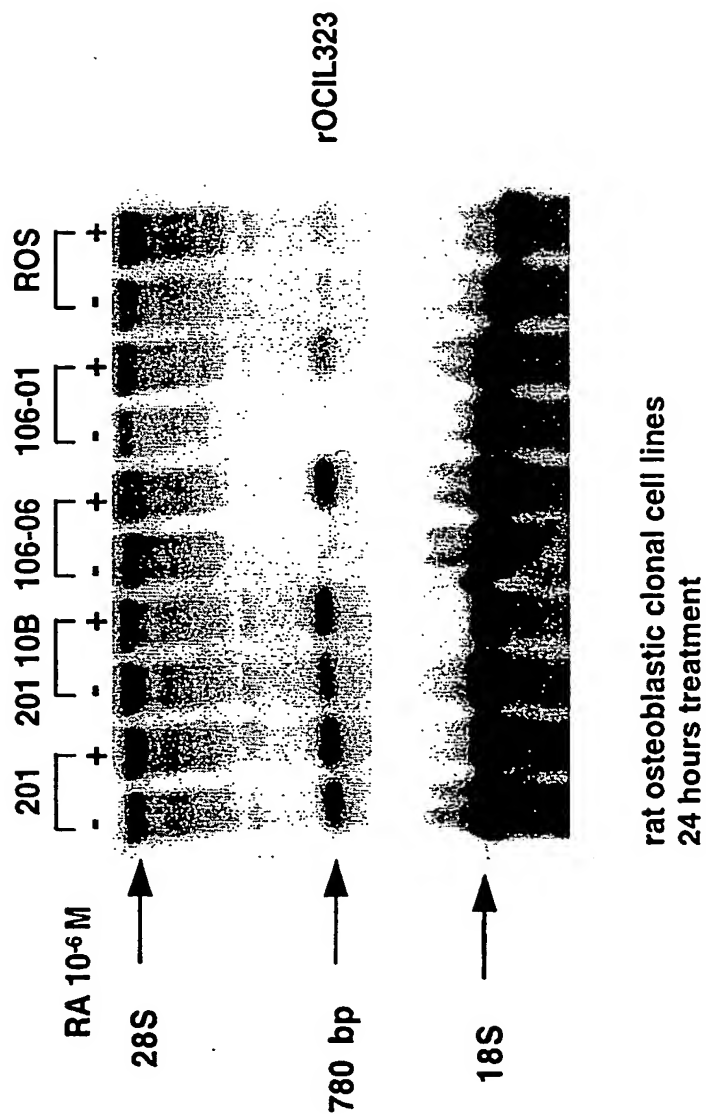


Figure 2

3/37

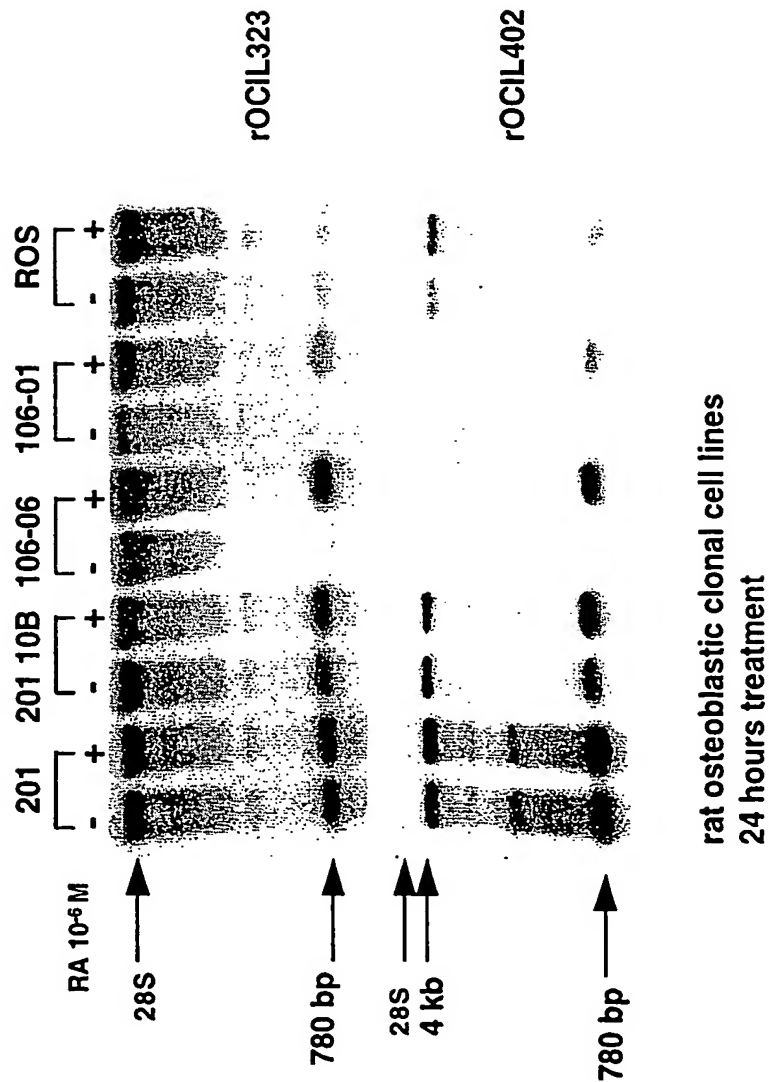


Figure 3

4/37

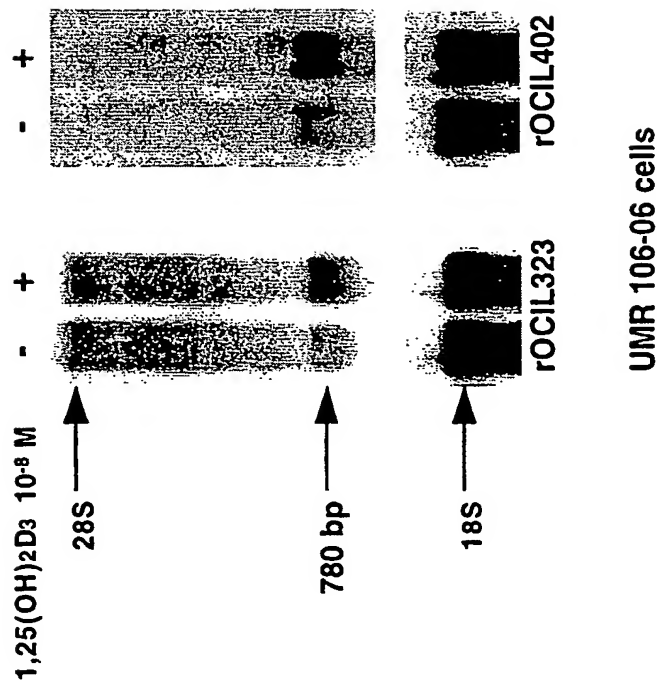


Figure 4

5/37

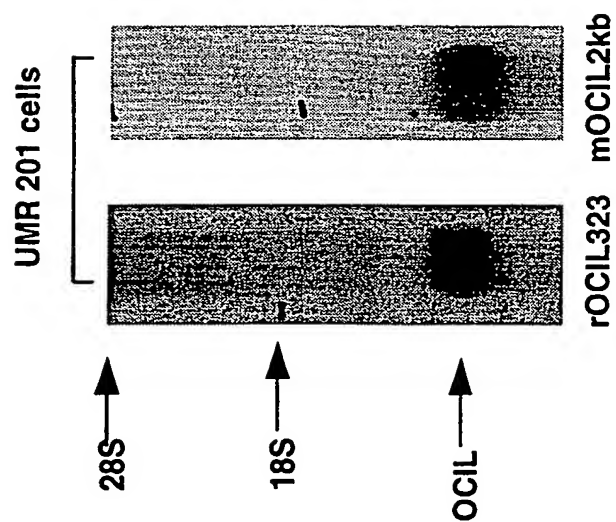
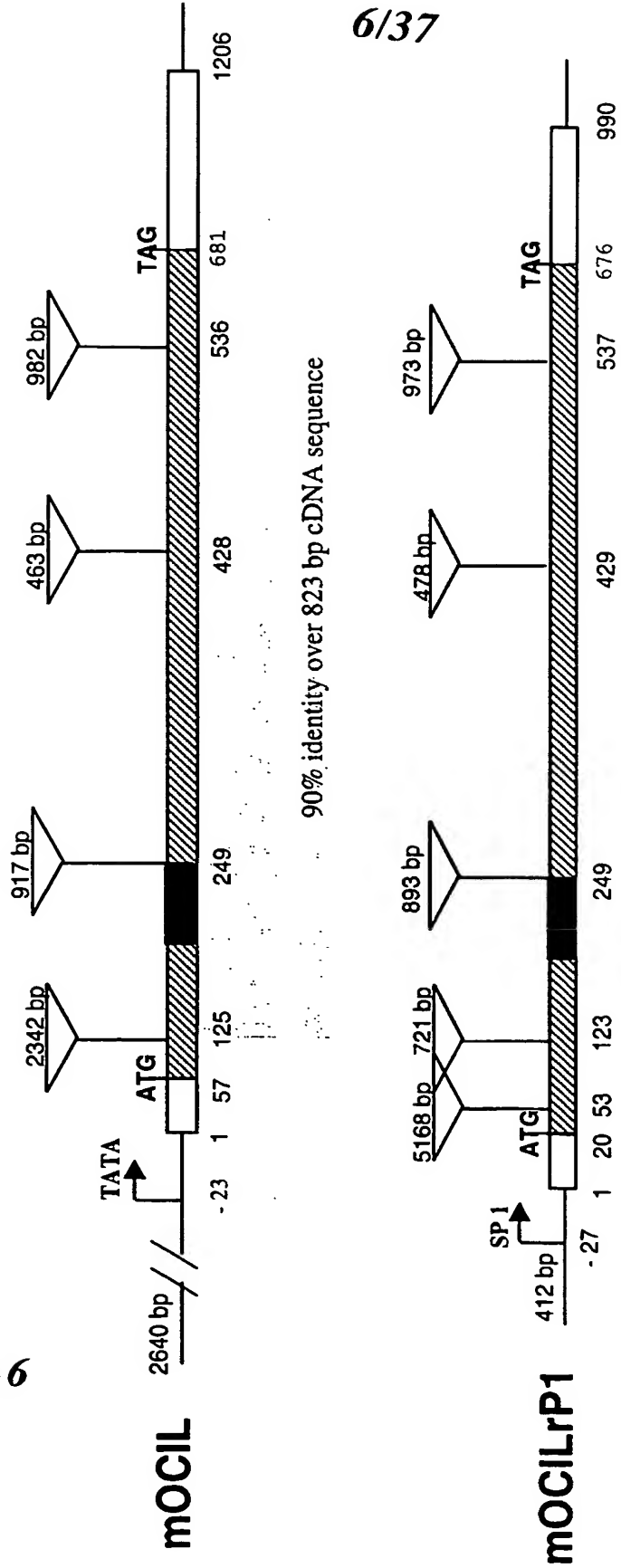


Figure 5

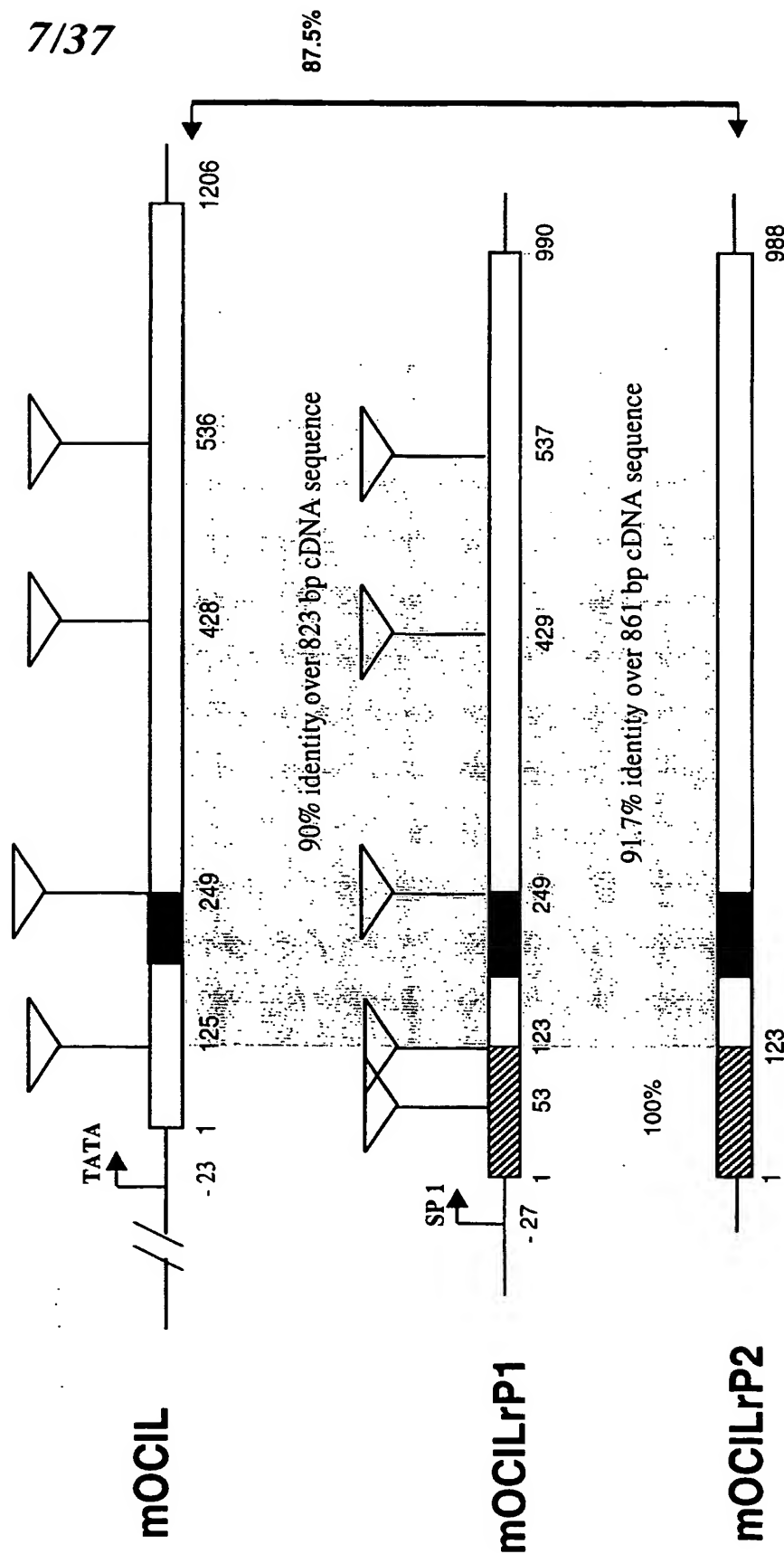
Gene structure for mOCIL and mOCILrP1

Figure 6

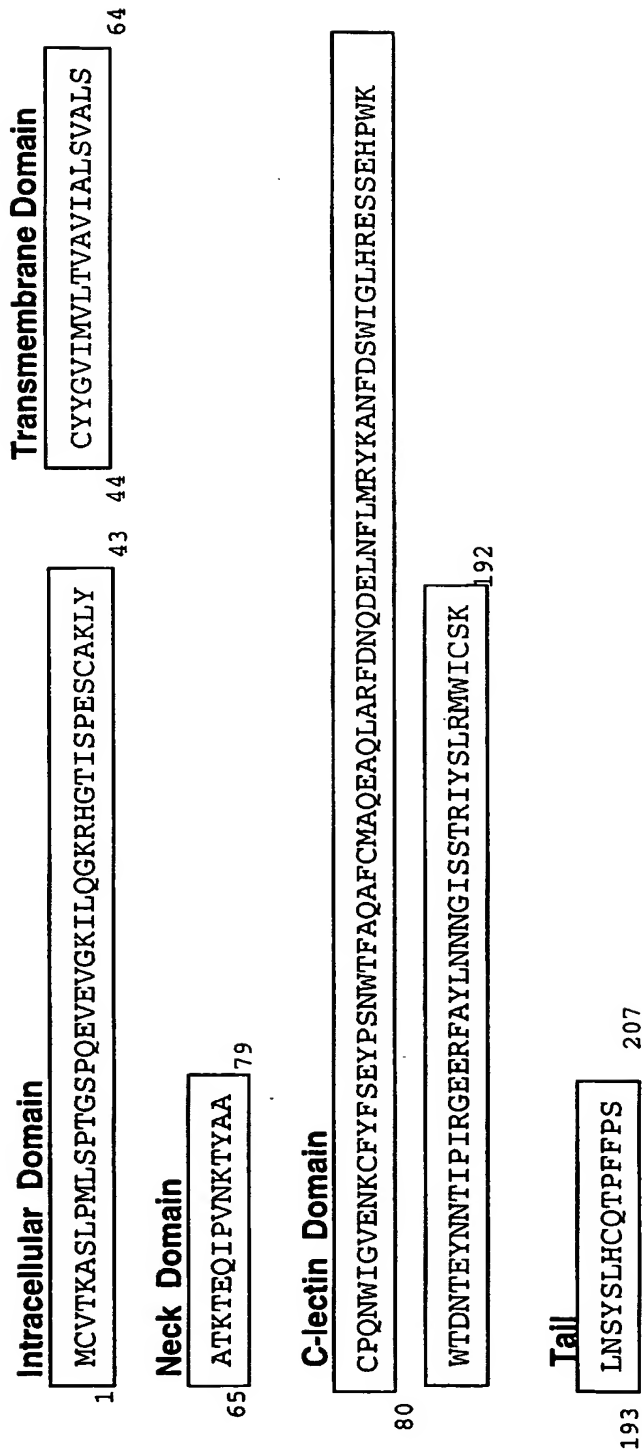


mOCIL and related proteins

Figure 7

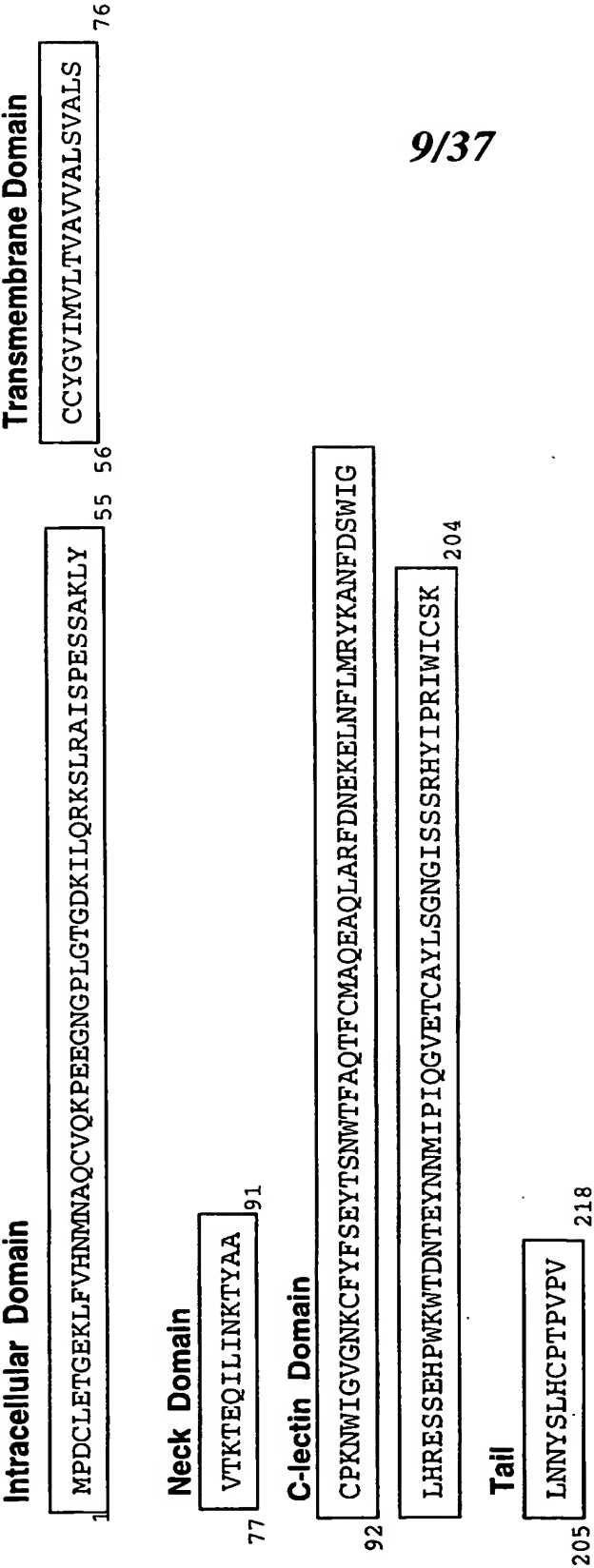


8/37



The deduced amino acid sequence of mOCIL with a predicted cytoplasmic domain, a transmembrane domain and extracellular domain containing a neck domain, c-lectin domain and tail

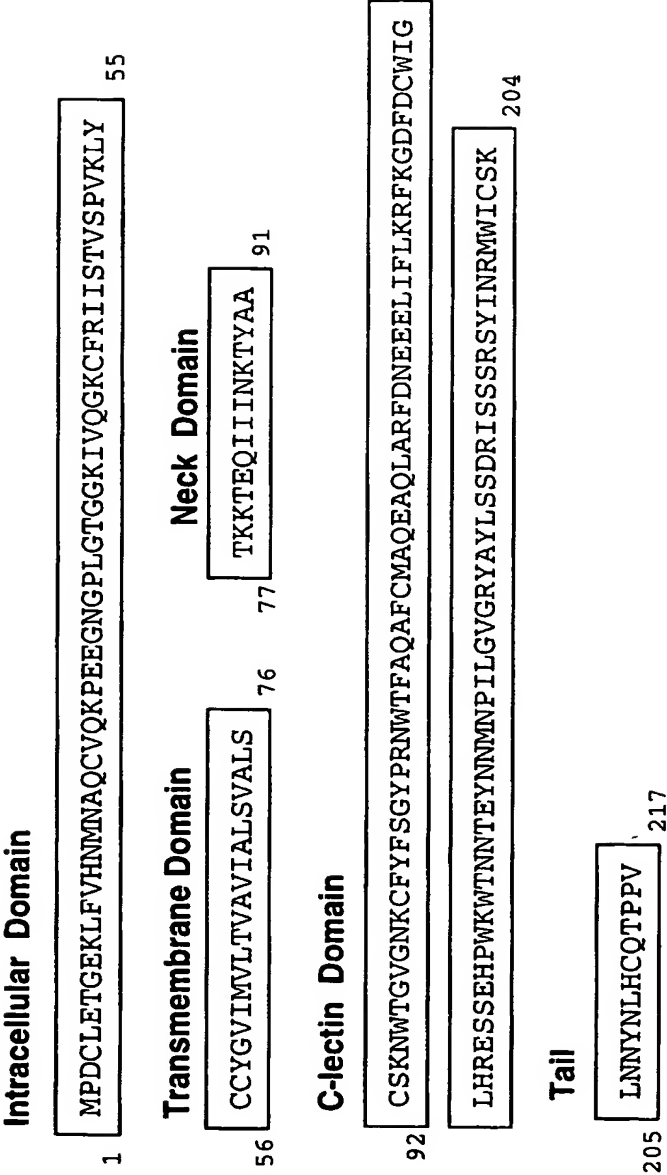
Figure 8a



The deduced amino acid sequence of mOCILrP1 with a predicted cytoplasmic domain, a transmembrane domain and extracellular domain containing a neck domain, c-lectin domain and tail

Figure 8b

10/37



The deduced amino acid sequence of mOCILrP2 with a predicted cytoplasmic domain, a transmembrane domain and extracellular domain containing a neck domain, c-lectin domain and tail

Figure 8c

11/37

ClustalW Formatted Alignments

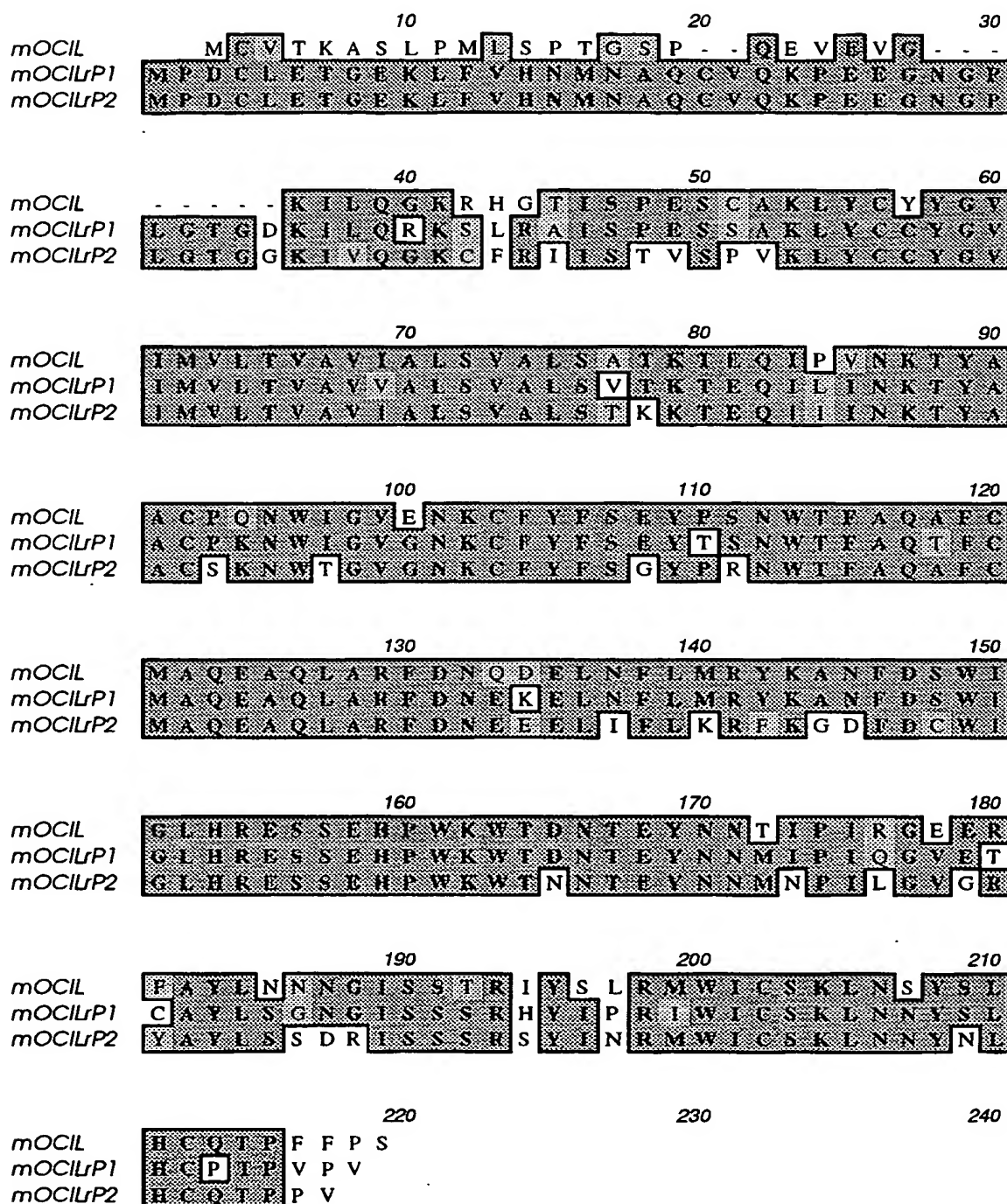


Figure 9

OB + BM CO-CULTURE

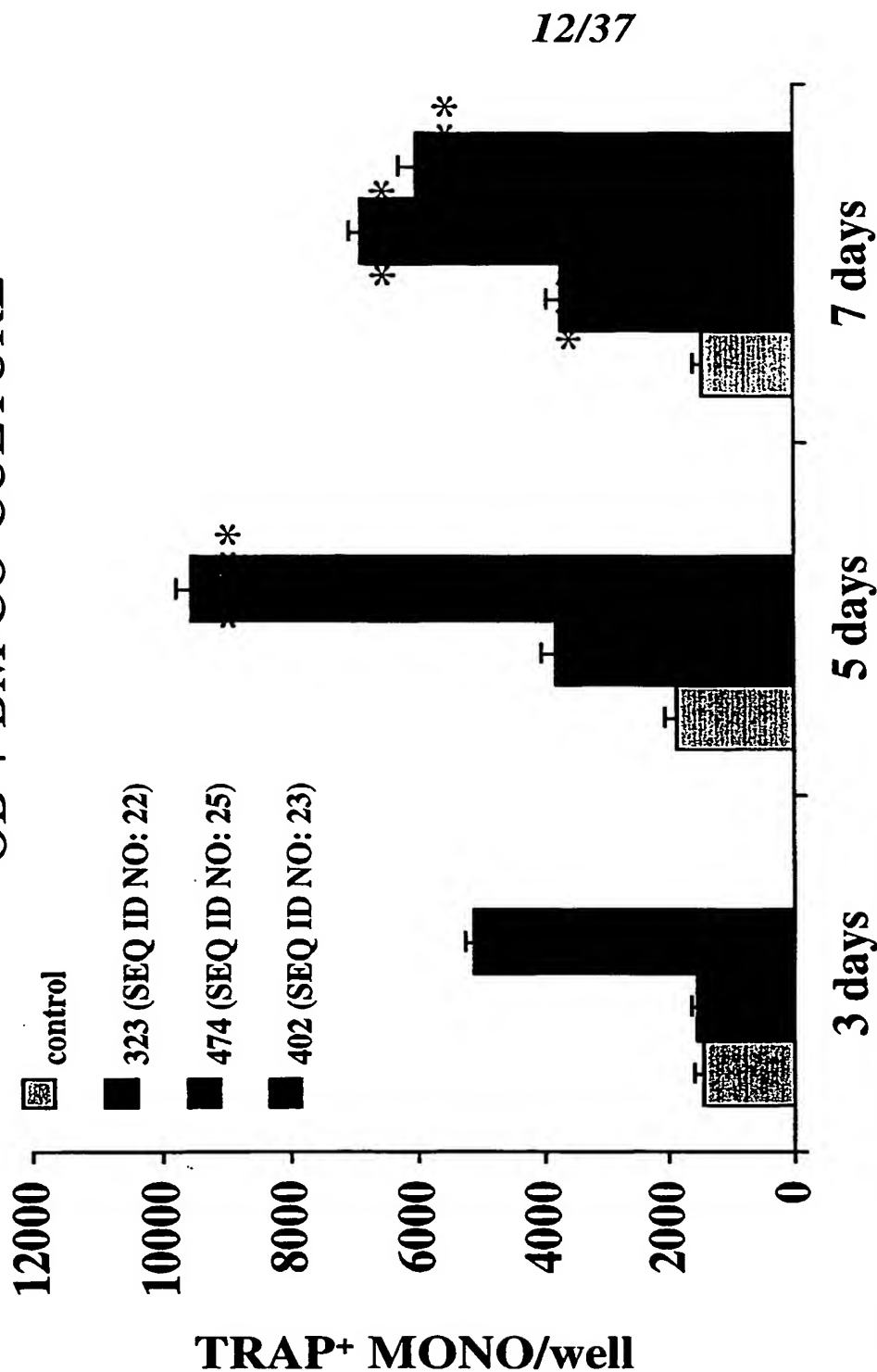
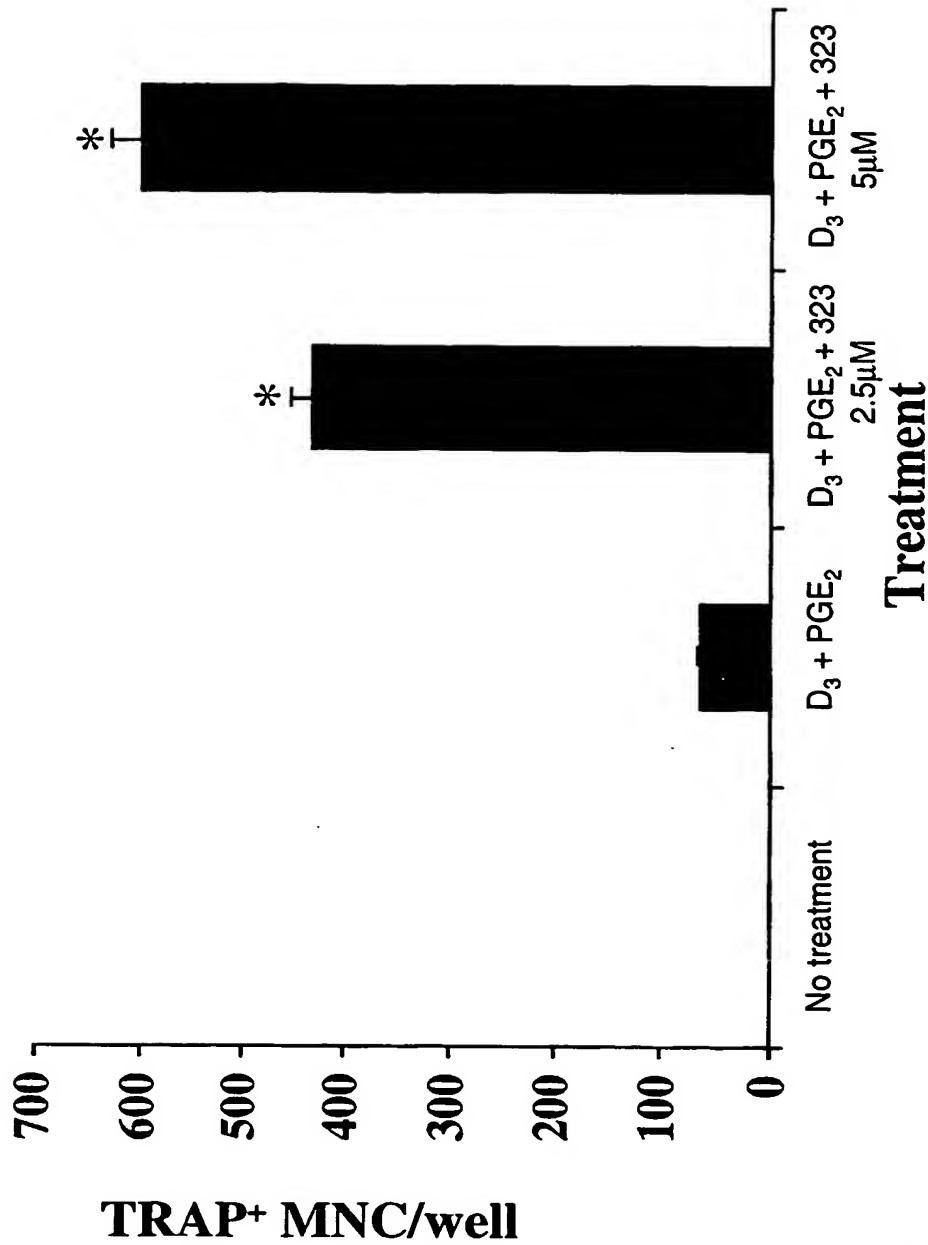


Figure 10A

13/37

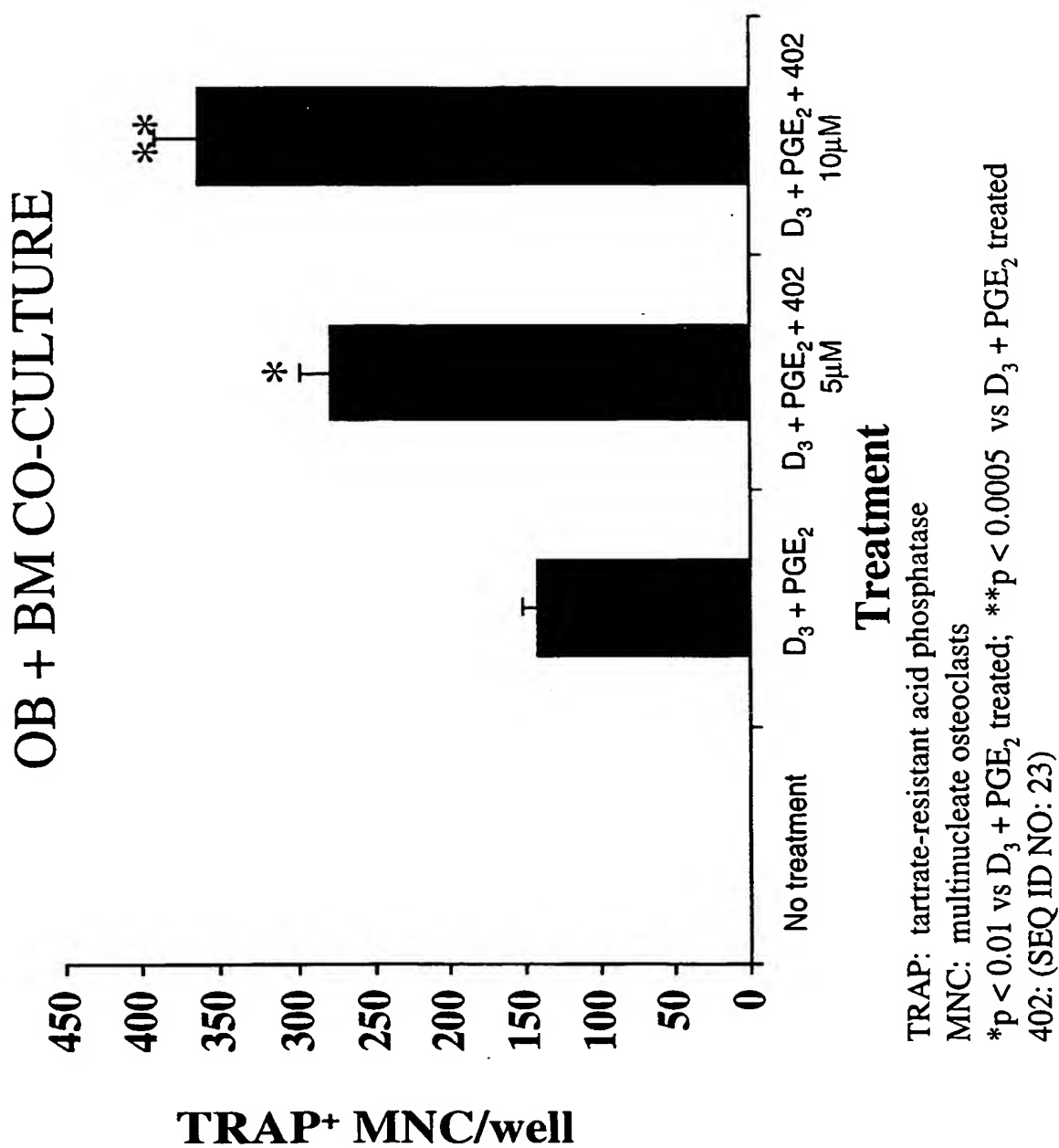
OB + BM CO-CULTURE



TRAP: tartrate-resistant acid phosphatase
MNC: multinucleate osteoclasts
*p < 0.0001 vs D₃ + PGE₂ treated
323 :(SEQ ID NO: 22)

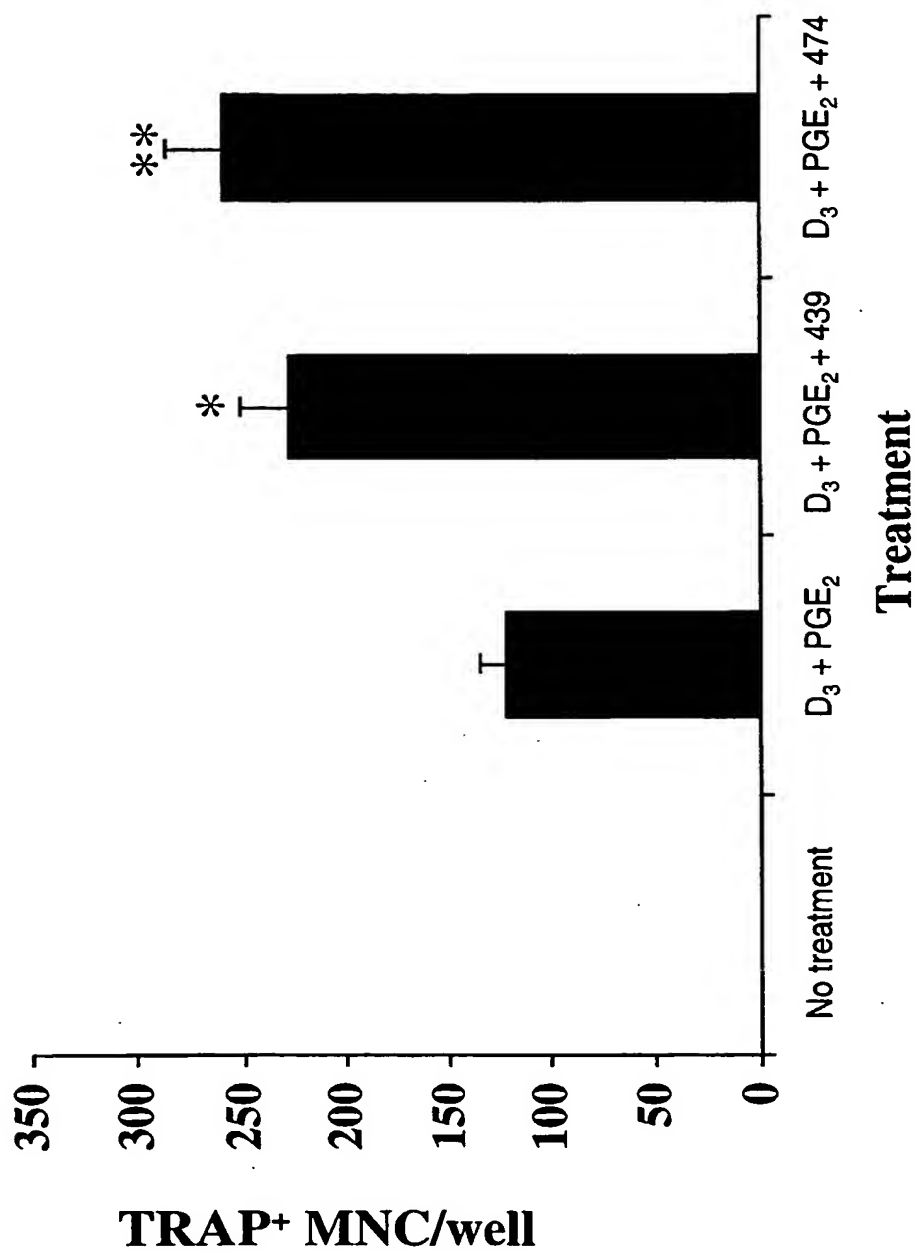
Figure 10B

14/37

*Figure 10C*

15/37

OB + BM CO-CULTURE



TRAP: tartrate-resistant acid phosphatase

MNC: multinucleate osteoclasts

*p < 0.025 vs D₃ + PGE₂ treated; **p < 0.005 vs D₃ + PGE₂ treated
439: (SEQ ID NO: 24); 474: (SEQ ID NO: 25)**Figure 10D**

16/37

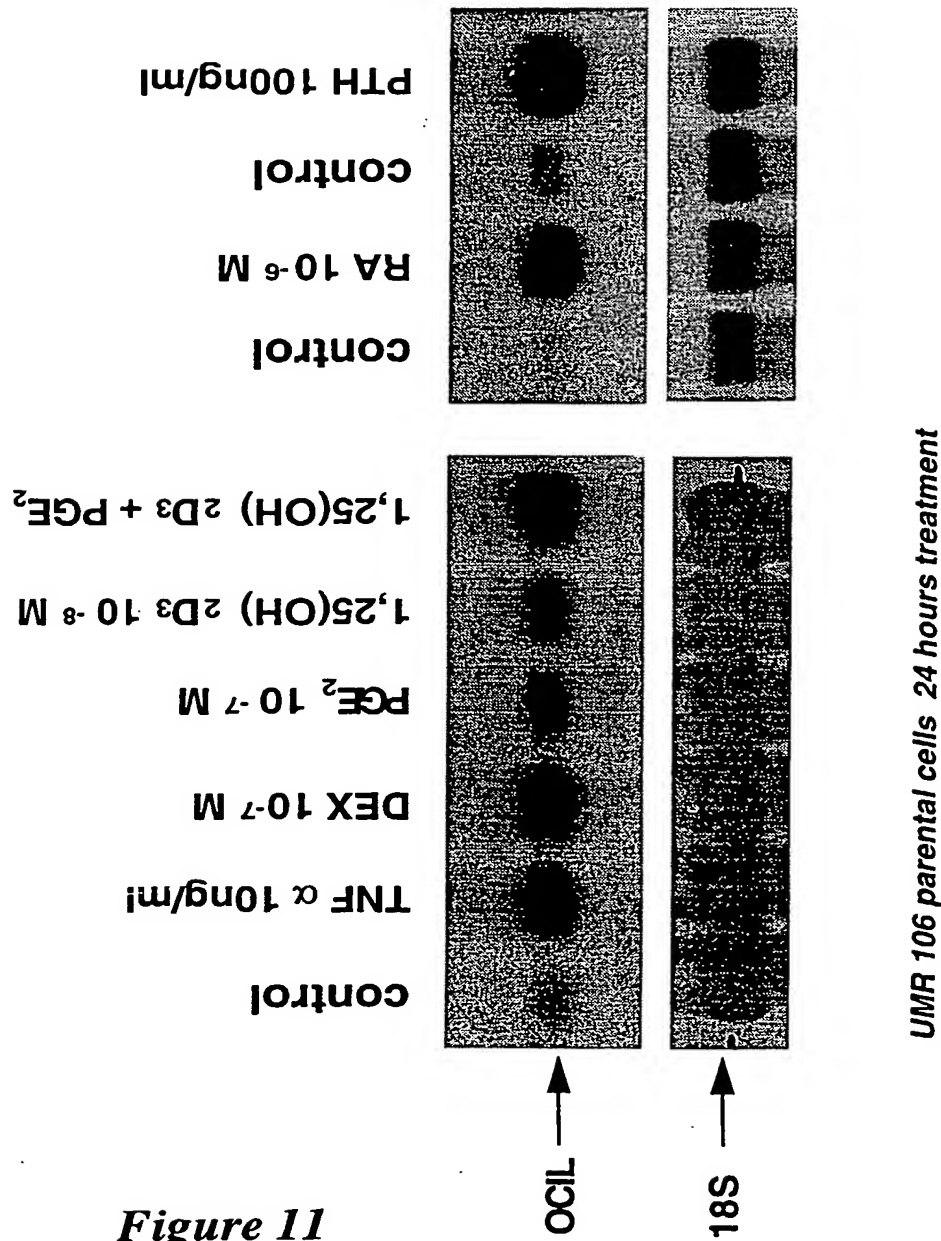


Figure 11

17/37

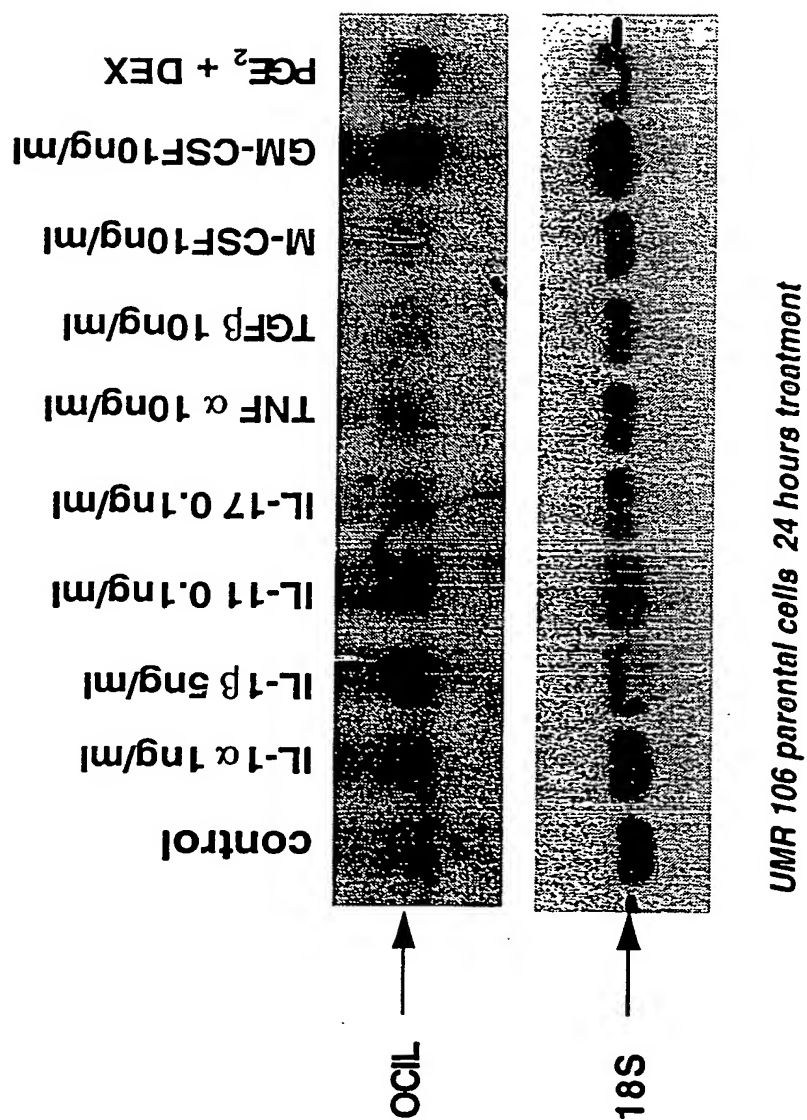


Figure 11 (cont'd)

18/37

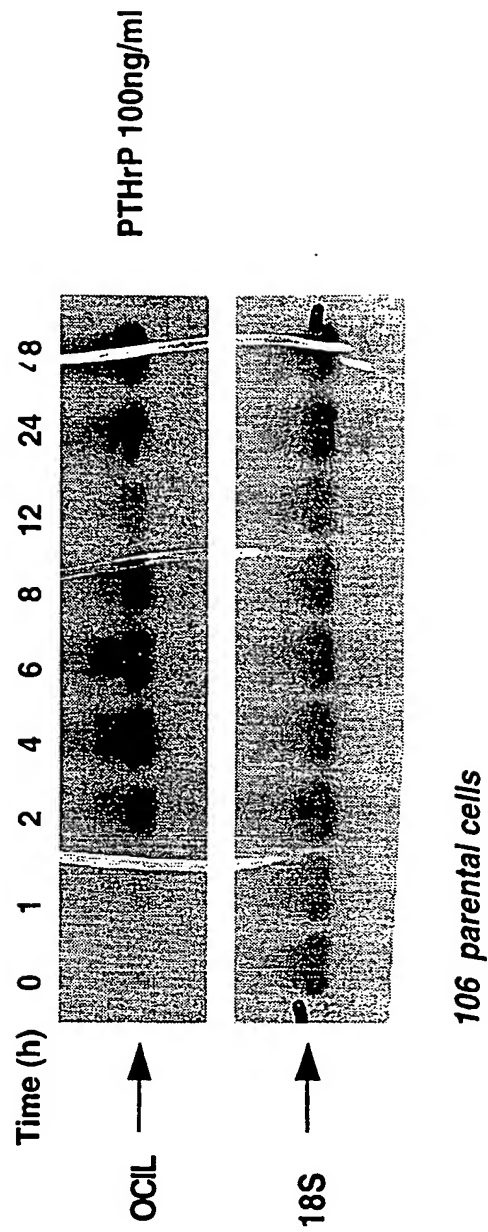


Figure 12A

19/37

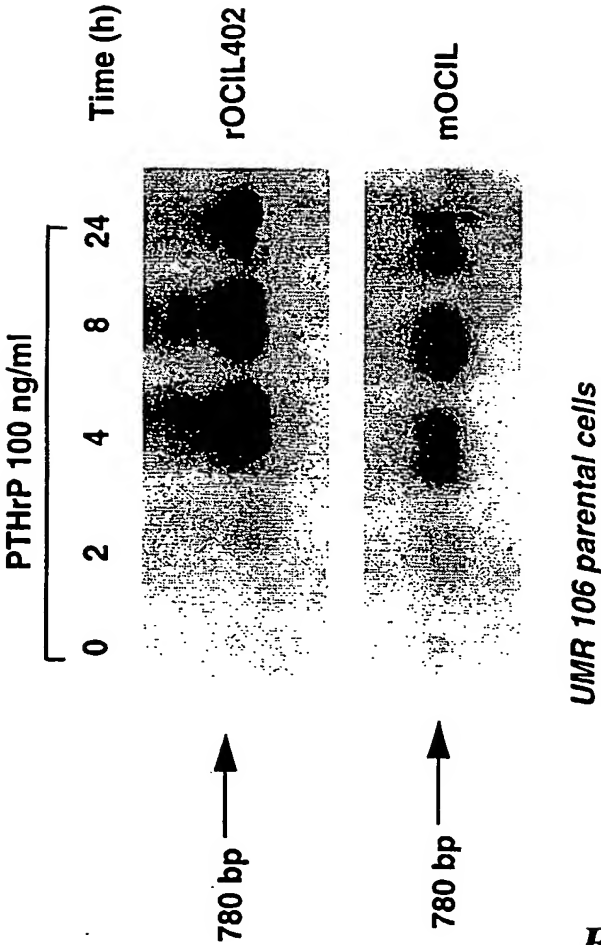


Figure 12B

20/37

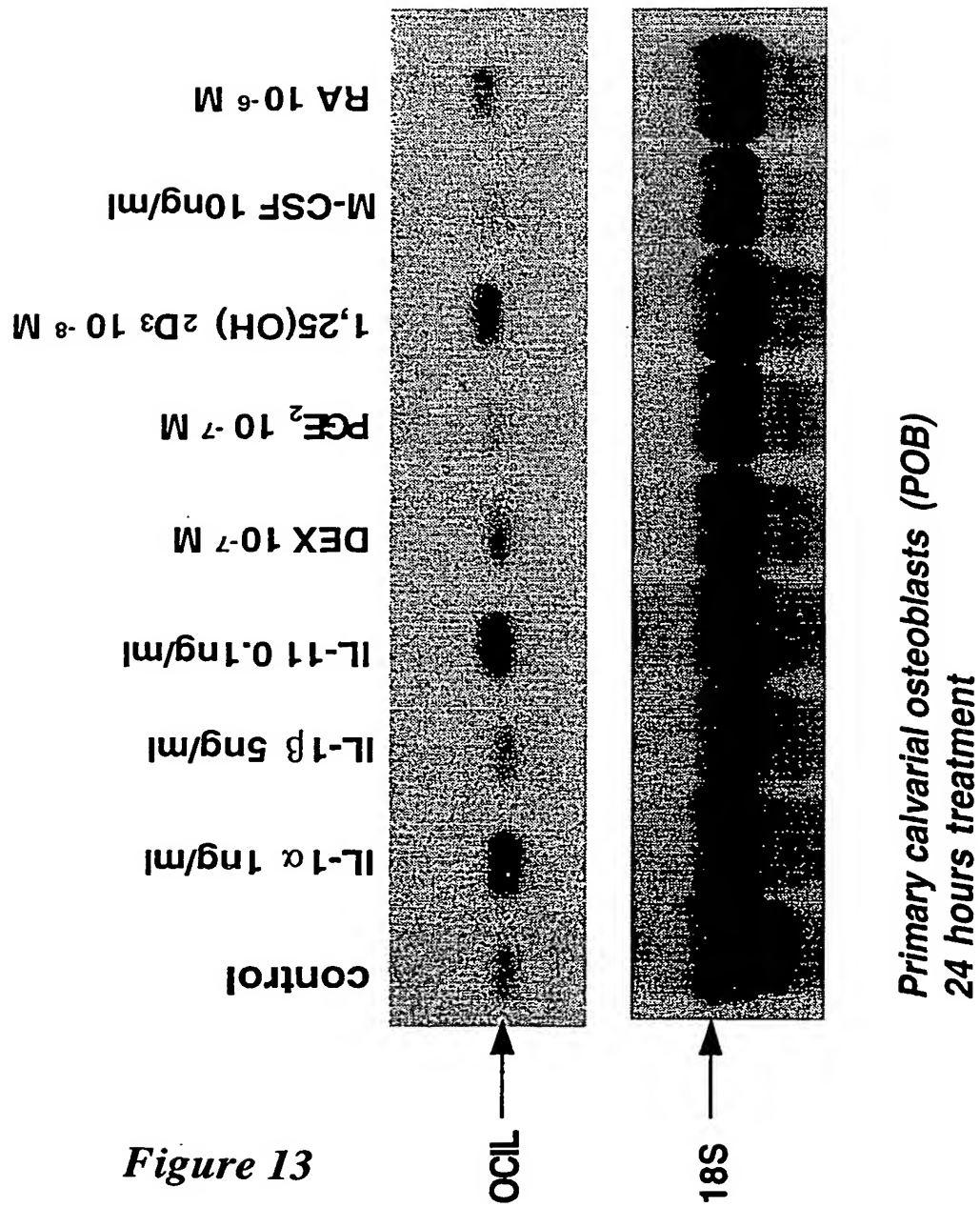


Figure 13

21/37

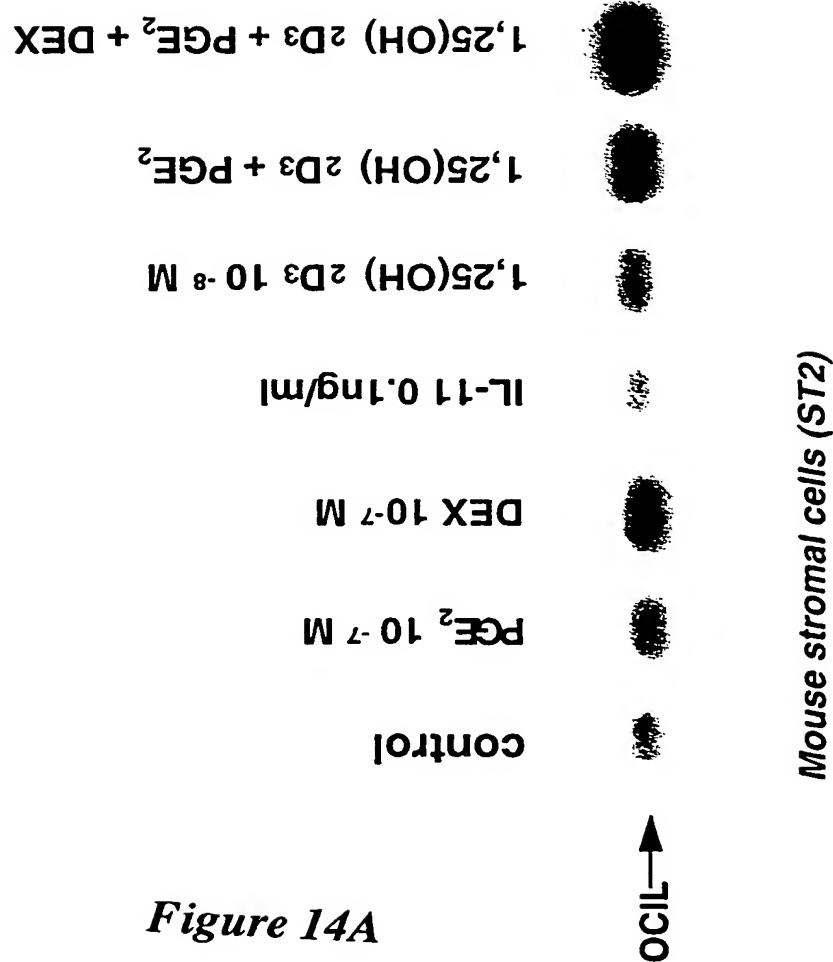


Figure 14A

22/37

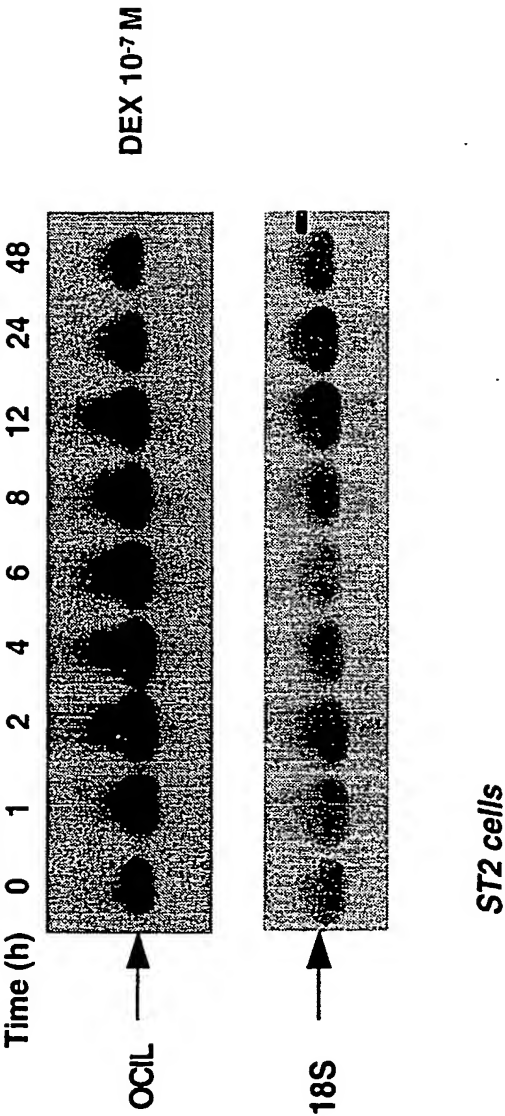


Figure 14B

23/37

**Expression of OCIL mRNA during osteoclast formation
in mouse bone marrow culture**

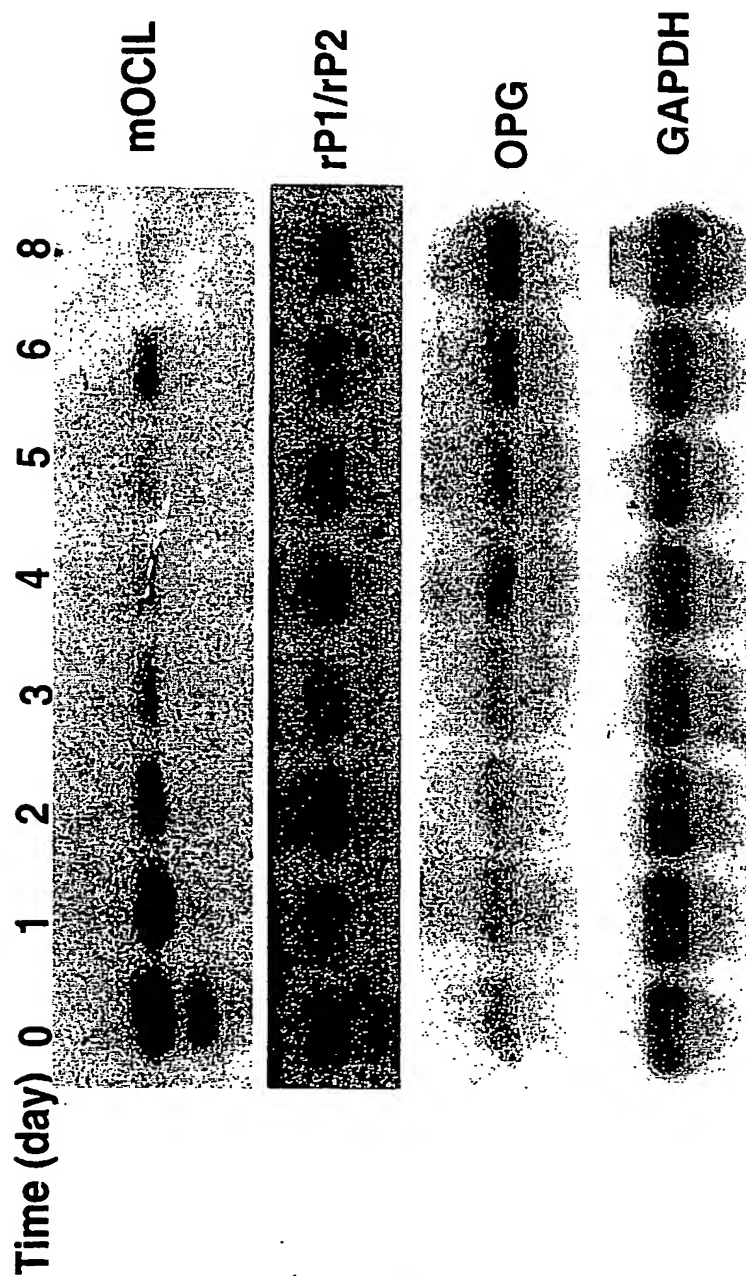


Figure 15

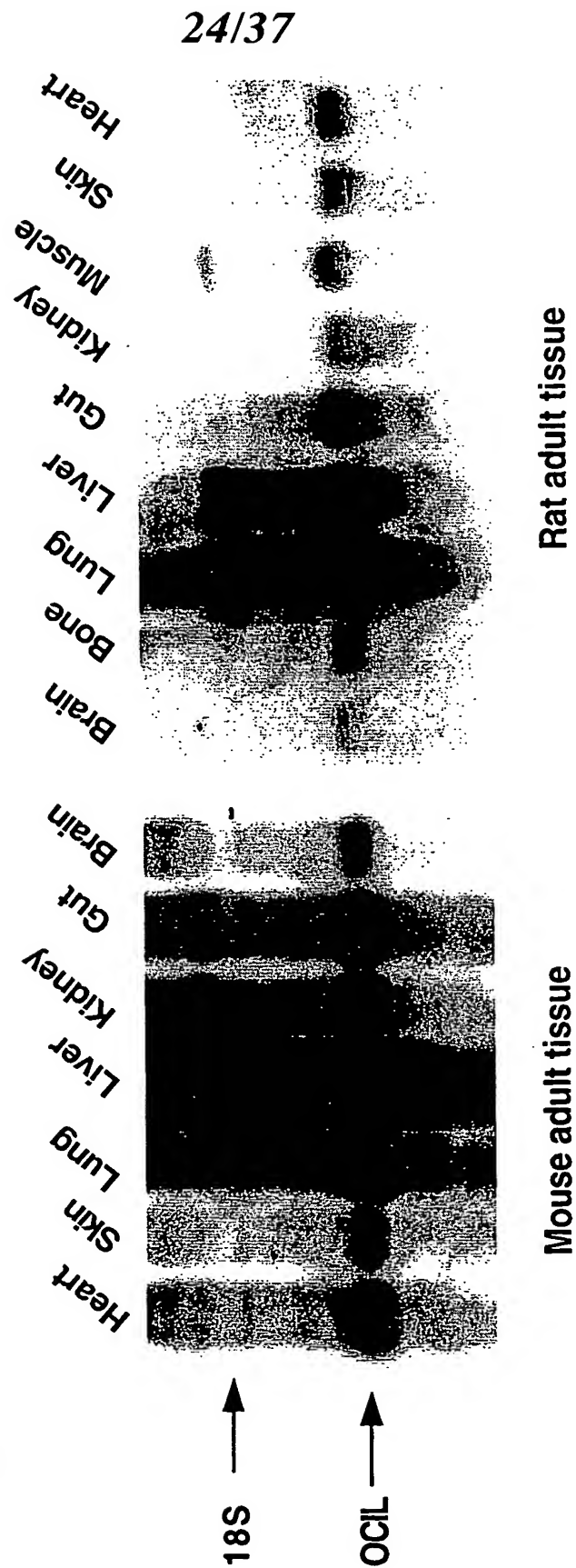


Figure 16

25/37

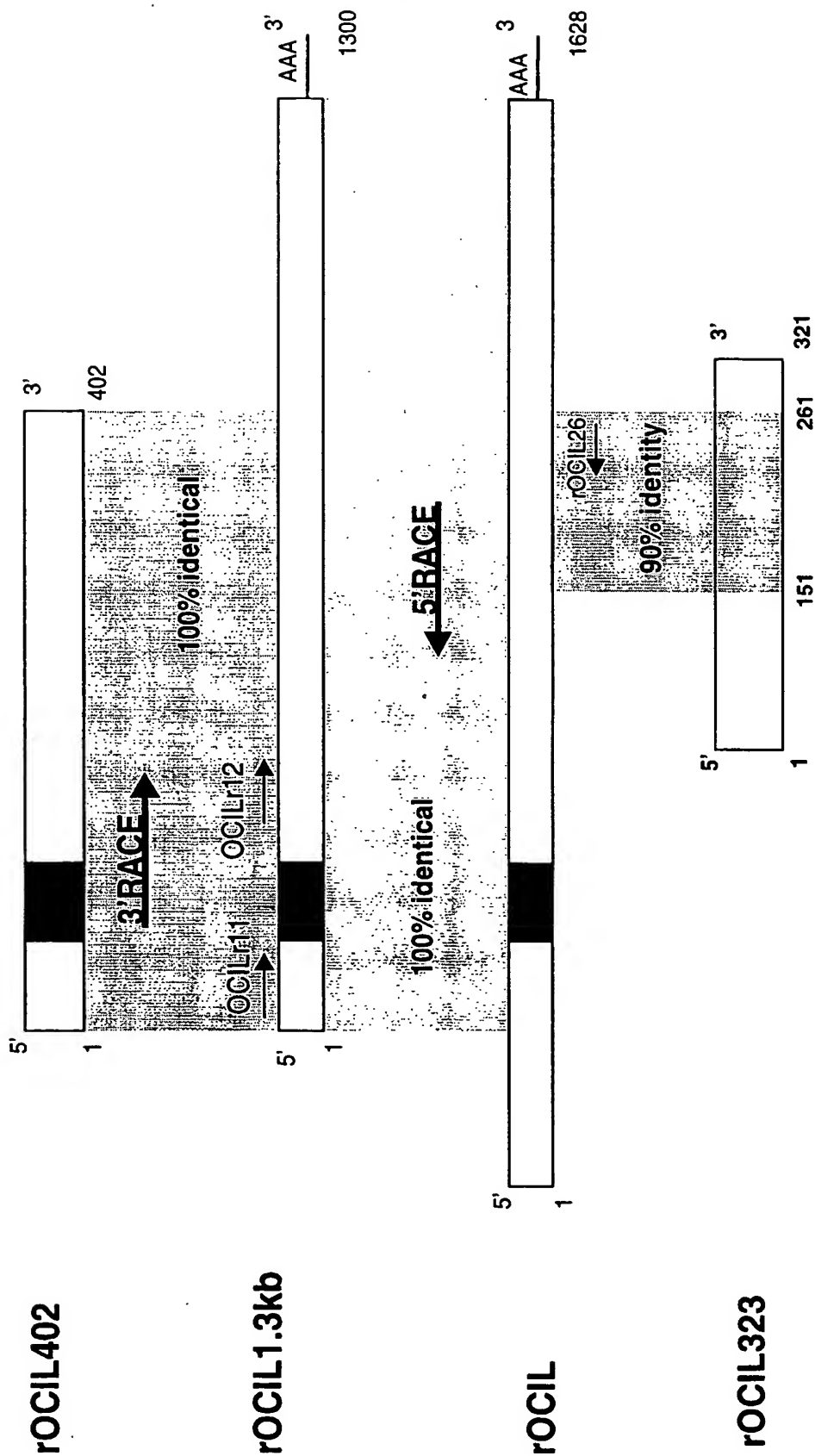


Figure 17

26/37

hOCIL gene

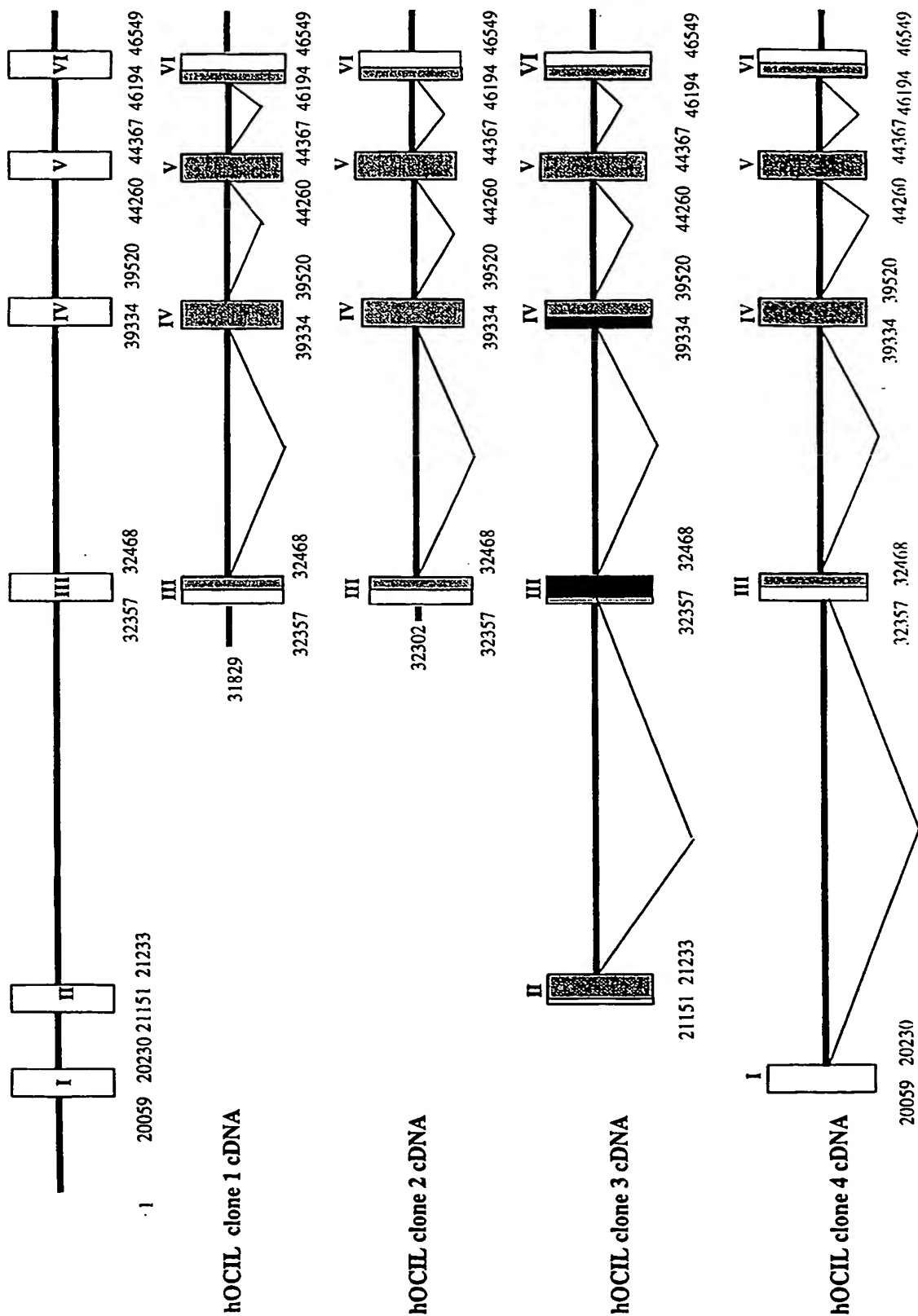
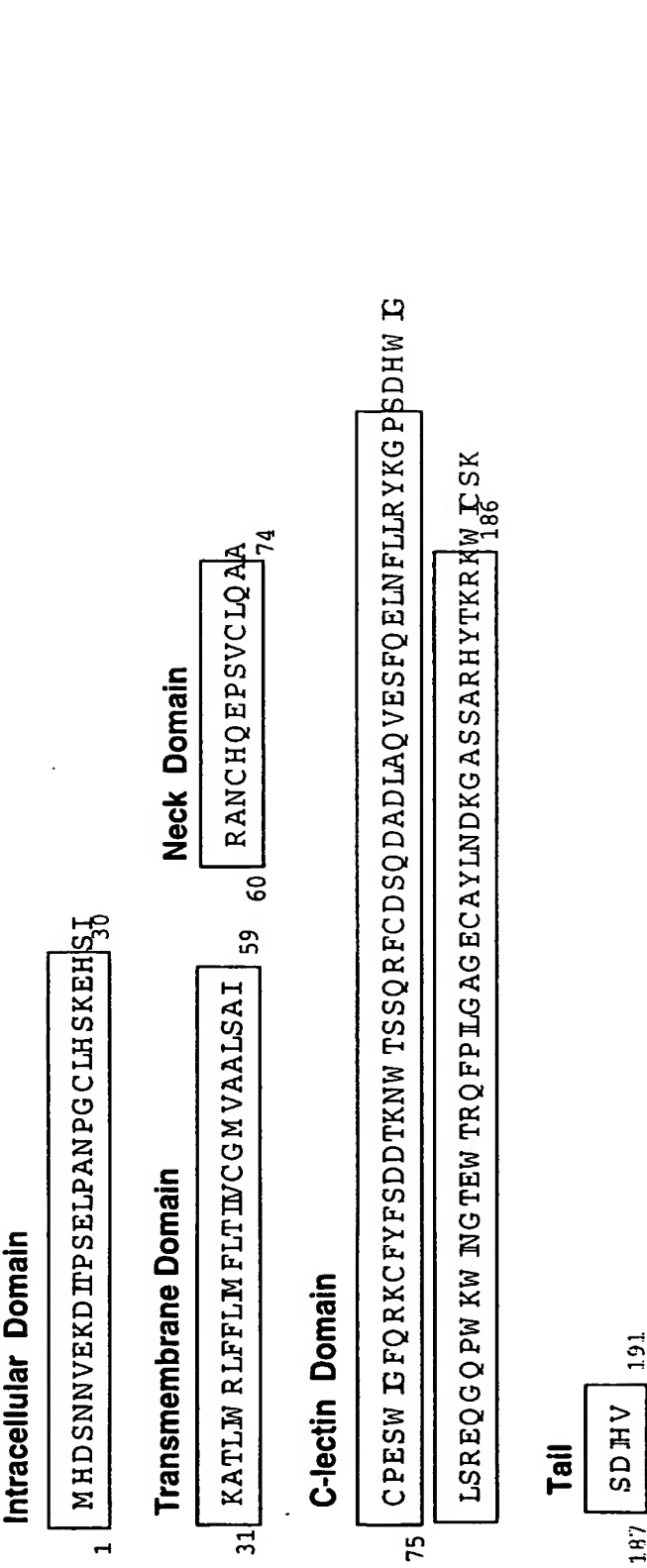


Figure 18A

27/37



The deduced amino acid sequence of hOCIL clone 3 with a predicted cytoplasmic domain, a transmembrane domain and extracellular domain containing a neck domain, c-lectin domain and tail

Figure 18B

28/37

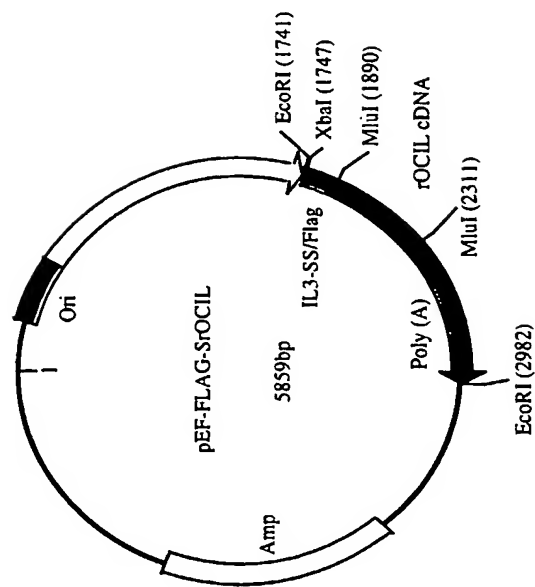


Figure 19B

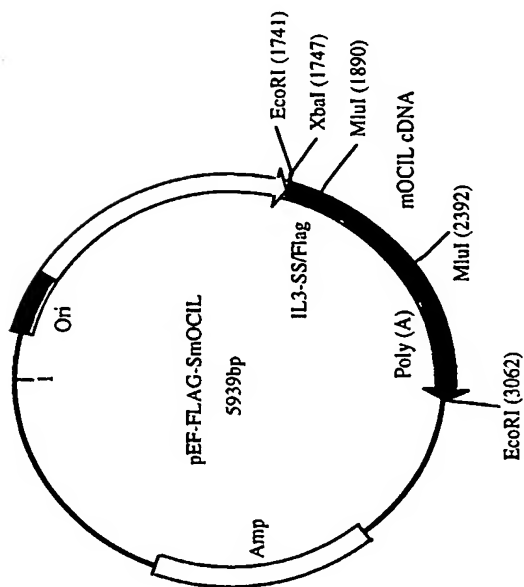
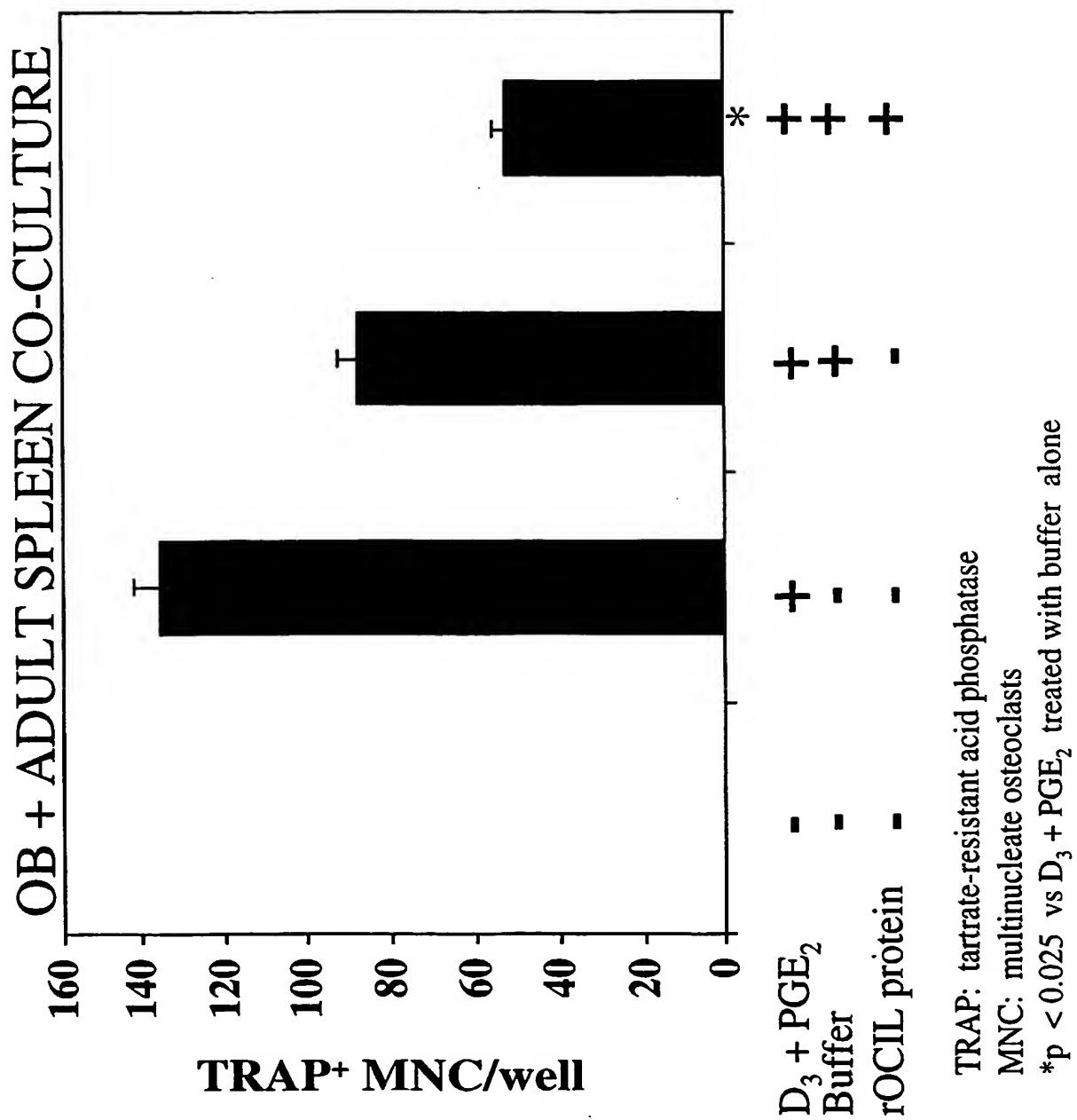


Figure 19A

29/37

**Figure 20A**

30/37

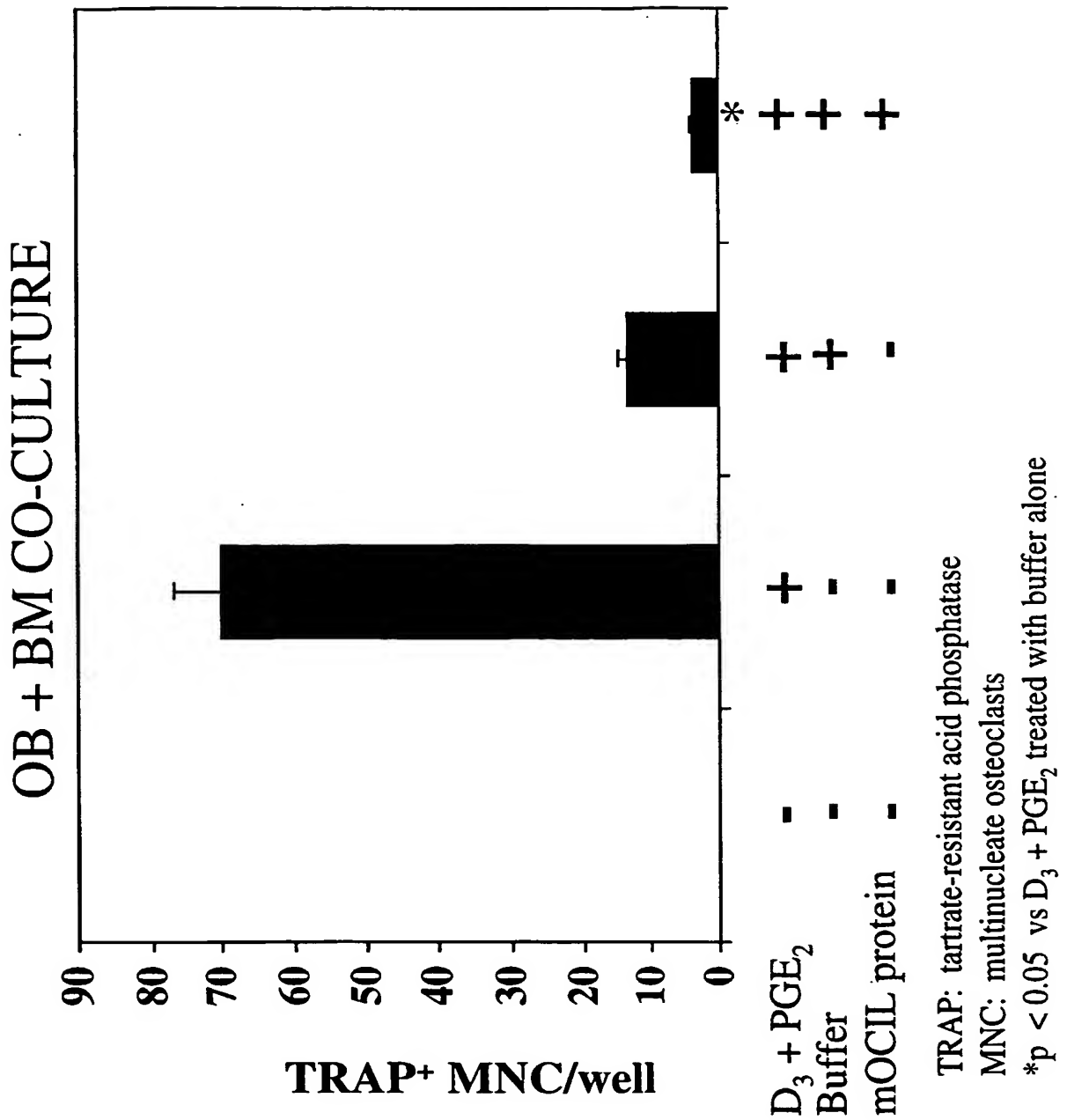
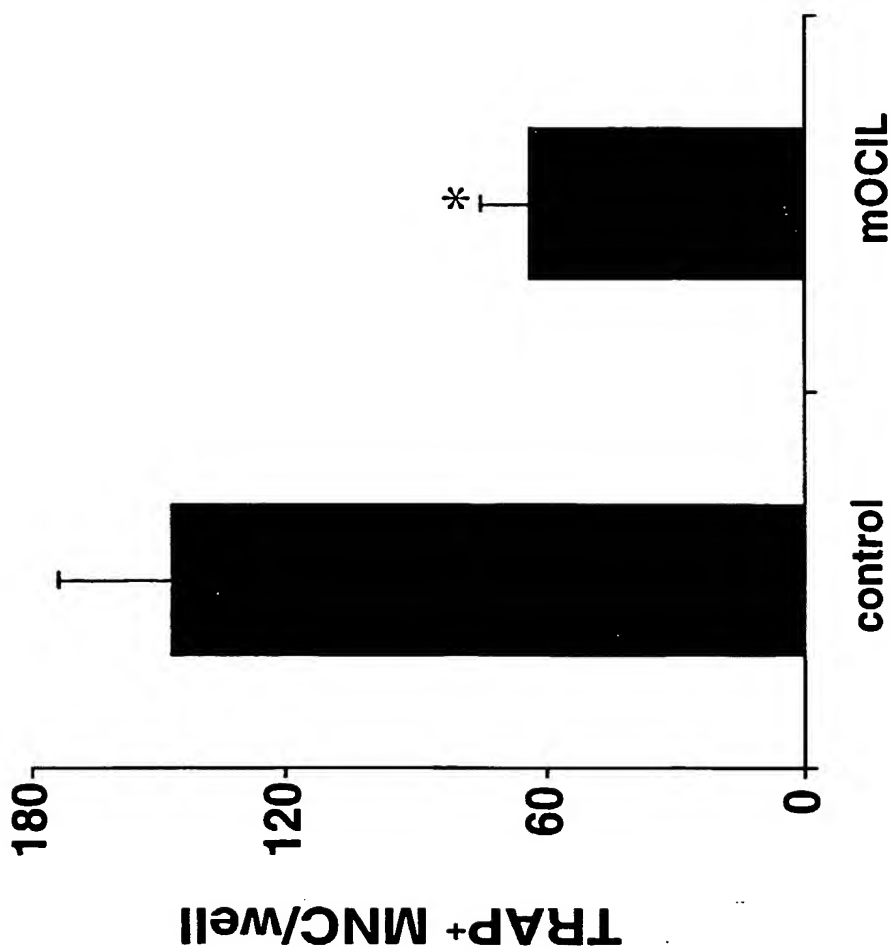


Figure 20B

31/37

Mouse Spleen cell Culture + RANKL + M-CSF

msRANKL (50 ng/ml); hM-CSF (25 ng/ml); mOCIL protein (12.5 ng/ml).

* $P < 0.05$ vs control (RANKL and mCSF treated with buffer alone).

Figure 21

32/37

Figure 23

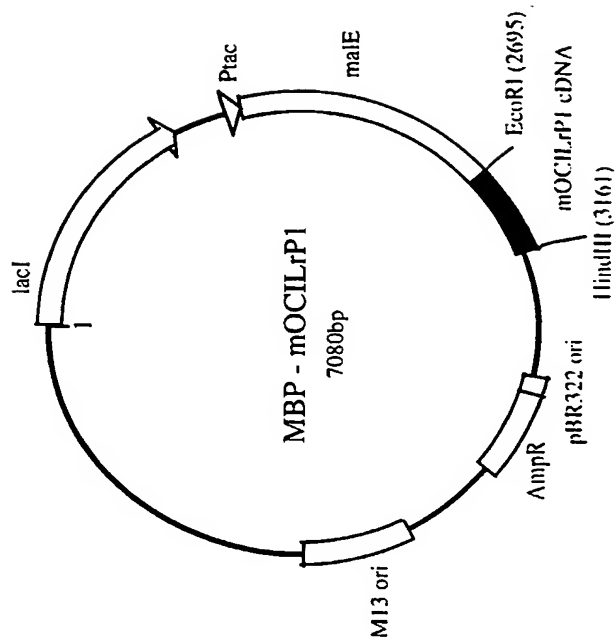


Figure 22

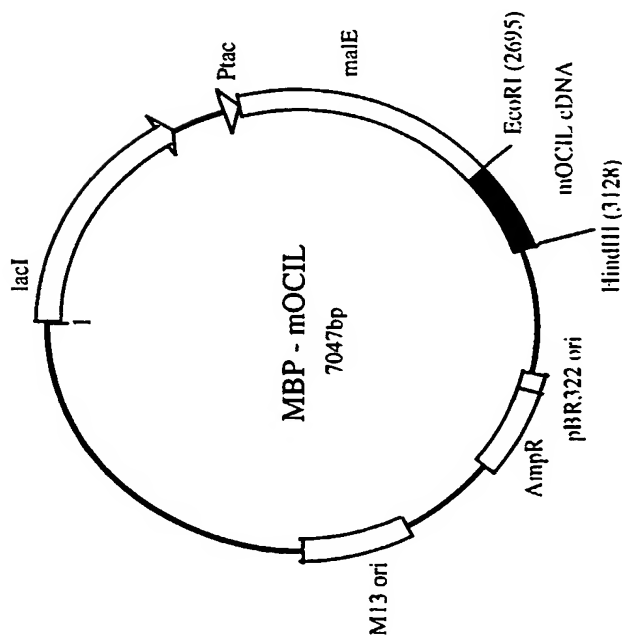


Figure 25

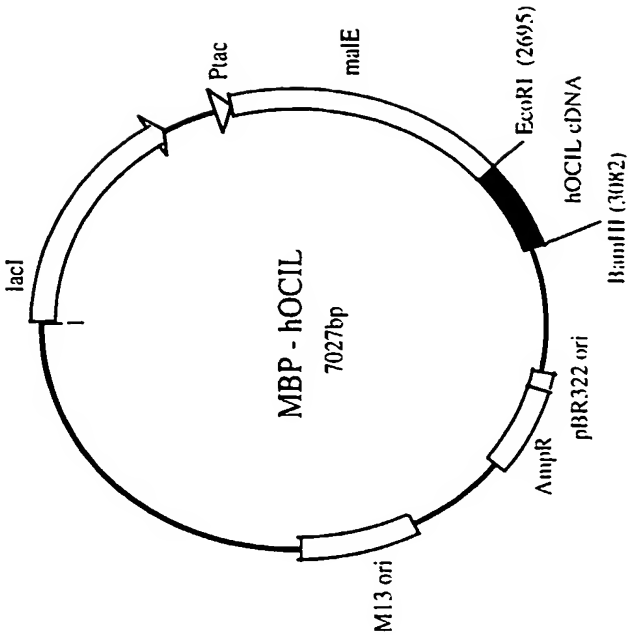
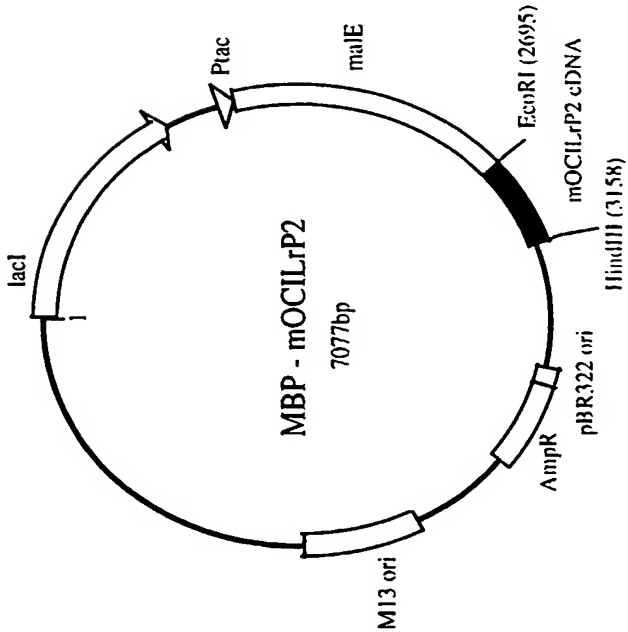


Figure 24



34/37

spleen cell culture + RANKL + M-CSF

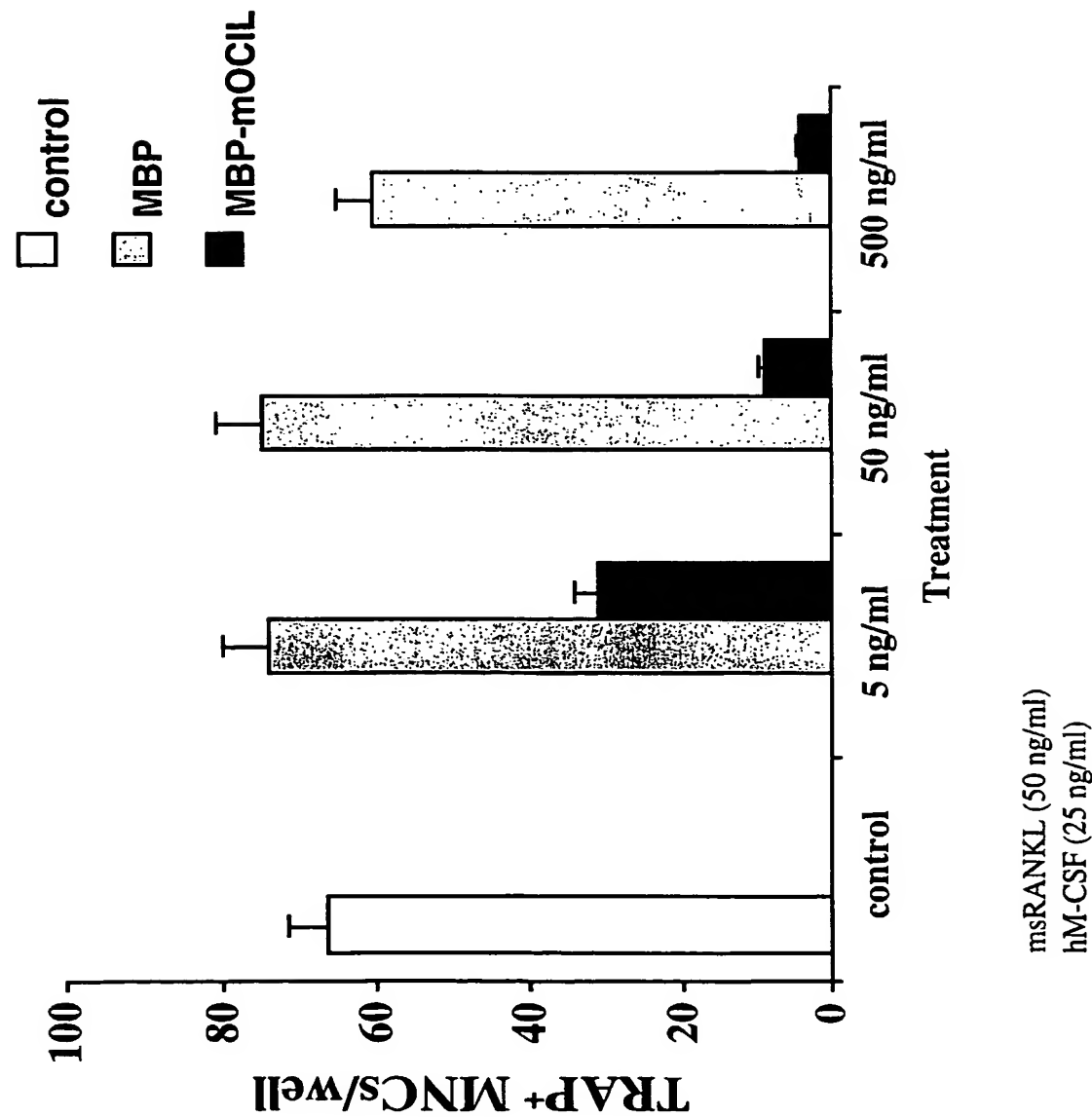
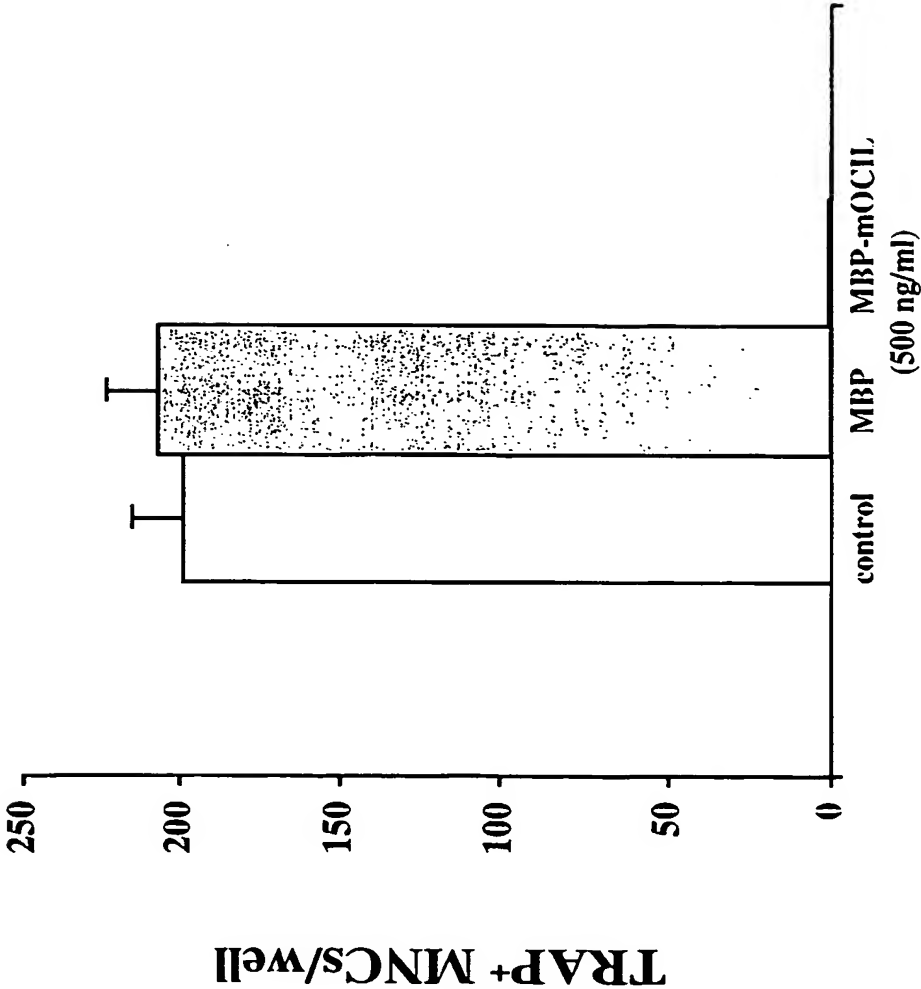


Figure 26A

35/37

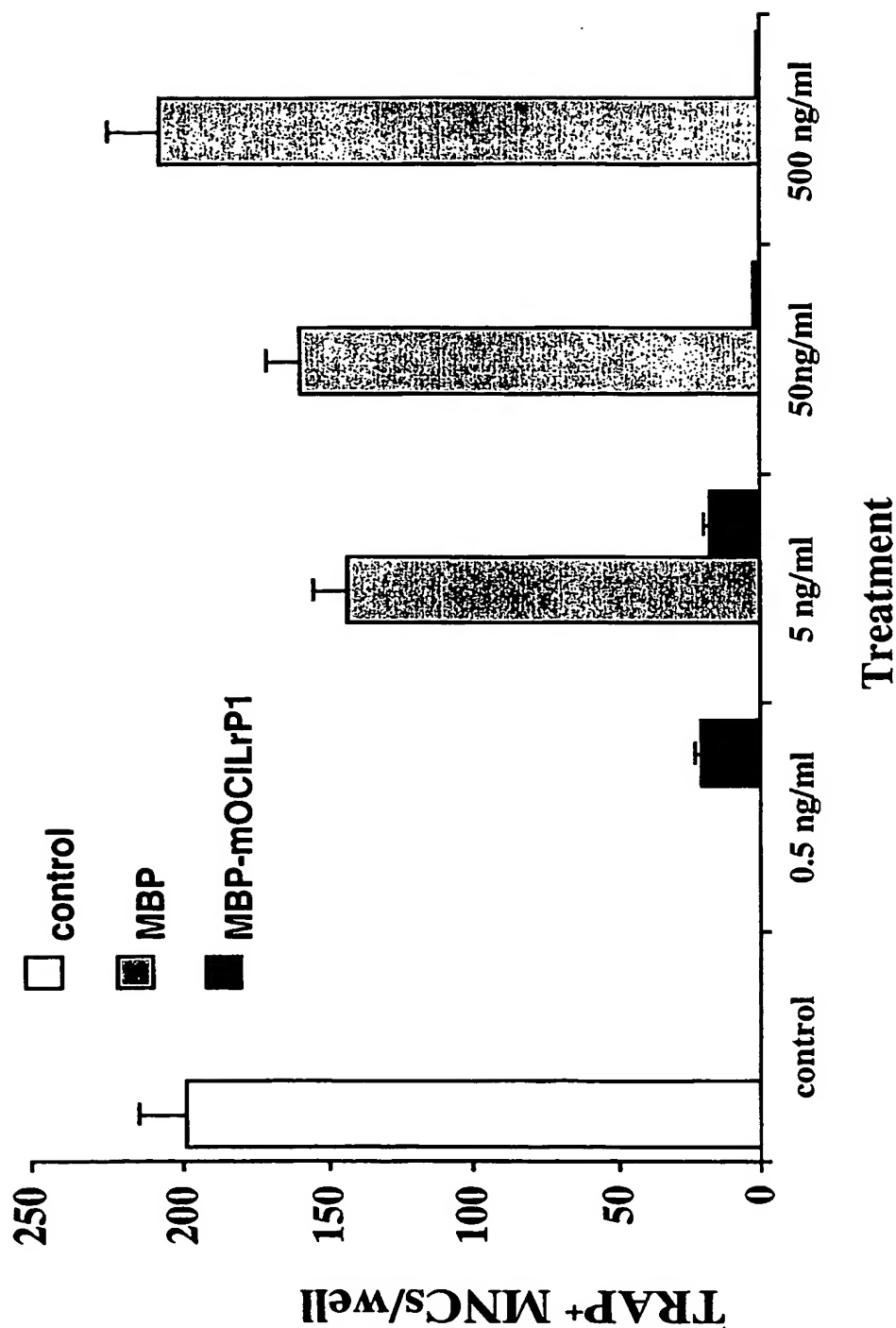
T cell depleted spleen cell culture



In all cultures, cells were treated with sRANKL (50 ng/ml) and hM-CSF (25 ng/ml).

Figure 26B

36/37

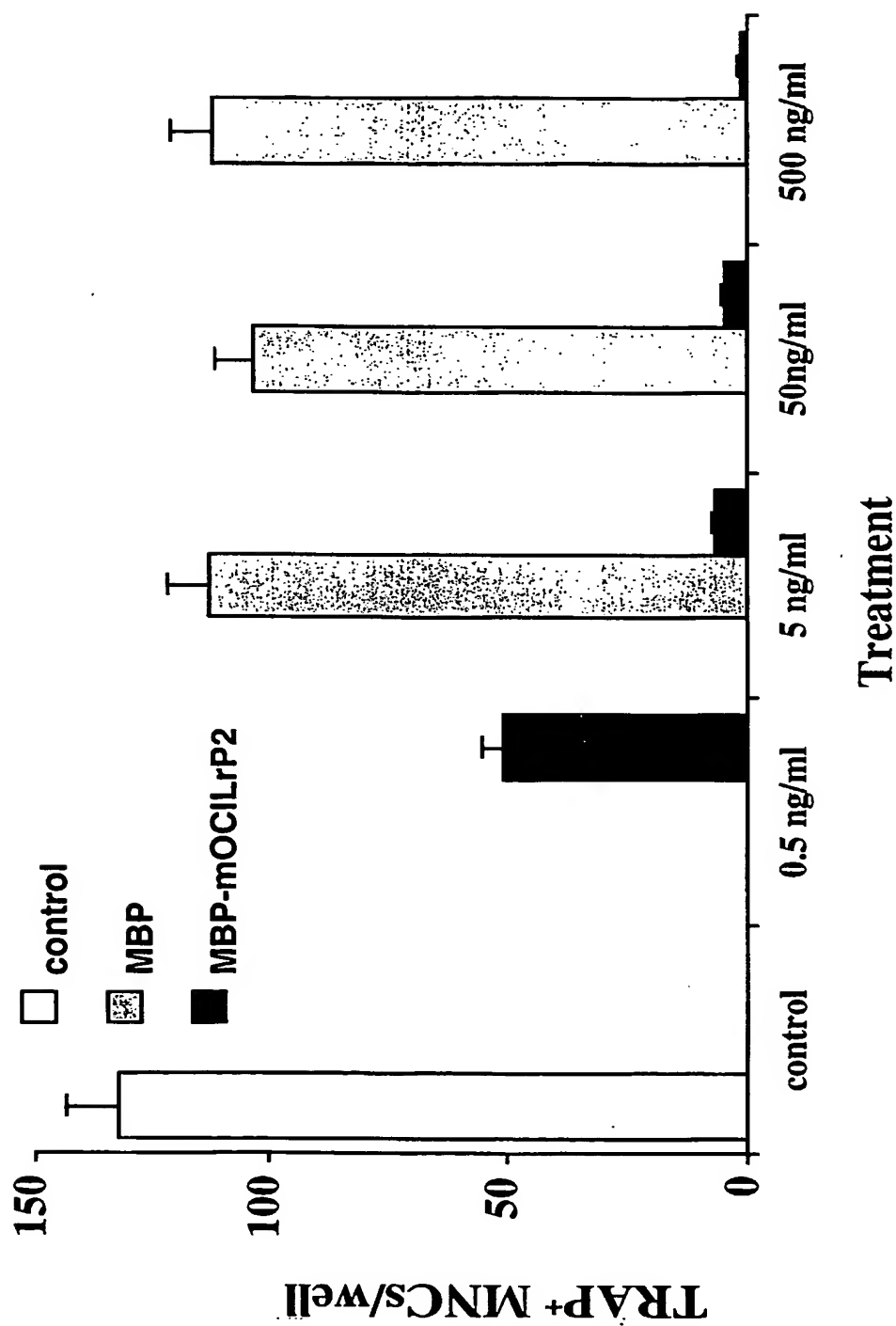
T cell depleted spleen cell culture

In all cultures, cells were treated with sRANKL (50 ng/ml) and hM-CSF (25 ng/ml).
Note 0.5 ng/ml MBP alone was not performed.

Figure 27A

37/37

T cell depleted spleen cell culture



In all cultures, cells were treated with sRANKL (50 ng/ml) and hM-CSF (25 ng/ml).
Note 0.5 ng/ml MBP alone was not performed.

Figure 27B